

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [15653] 38 Special Kit Shipping Status
Message-ID: <3.0.1.32.19970325143559.006ba54c@telis.org>

The 12pF caps came in today at lunch, I went home, picked them up and hustled back to school. Worked on the kits during my lunch hour, and will finish up and send to Jim 135 of them via my daughter who is heading back to Sacto tonight. That means that Jim, who has all of the pending order envelopes addressed and waiting for a bag of parts, will be able to get caught up fast. I was the hold up. Sorry, gang.

Also, we have plenty of kits left, so don't hesitate to order. See the NorCal Page for ordering information or contact Jim Cates at wager@juno.com
72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: HIMES@idic11.idi.oclc.org
Subject: [15617] 38S heterodyne cure
Message-ID: <01IGWXIIEH7MAOKF0N@idic11.idi.oclc.org>

I've cured my 38Special's 12 mhz heterodyne, but it's somewhat involved.

It changes the IF to 9.216 mhz. The local oscillator and the product detector oscillator change to 16.257 mhz. No more 12 mhz heterodyne!

An unfortunate side effect is that the receive frequency changes to 7.040 mhz! Damn, how did THAT happen? I guess it's back to the bench to get it back on frequency!

It needs some tweaking but hears quite well. Don't know how it transmits yet.

Marty WB8FNH Columbus, Ohio

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Steve Miller <kg7pv@teleport.com>
Subject: [15618] 38S output, part 2
Message-ID: <1.5.4.32.19970325143242.00682110@mail.teleport.com>

Hi all,
I have been working on this for several days now and need some expert advice. My 38S is a 5w/TiCK model with the K8IQY mods to the PA and preamp. I have also done Bob Berrys stability mods with all the bypassing caps and

ground strap. Went through last night and resoldered all the pads on the board and placed U4 directly in the board thinking that the socket may have been at fault after getting the same result with a spare U4. My voltages check out ok. Rig receives and functions normally otherwise and have made quite a few qsos with it - even got ZL4WA last night.

On to the problem. The power out will slowly drop from 5W down to about 2W over about 10 minutes and then the output quality goes to crud. I think my stability problem was actually this same problems. I can instantly solve this by cycling the pwr to the rig. If I touch U4 I can vary the output by sliding my finger back and forth. This is more pronounced after the pwr out has started to drop. A touch (with finger) to the U4 side of C25 will cut power to zero. The PA runs cool and can go 30 seconds key down right after pwr on with no drop in output and just slightly warm. I have replaced C25/C26 (used two 390 polystyrene caps, out of 330) thinking I had a bad cap the first time I touched C25 :-) but no improvement.

So debuggers, what do you think. I have had notes from another on the list who is looking at a similar problem with his 3 (yes 3) 38S so I know he is waiting too for an answer.

Do I need to vary the value of R12 or R13 to lower the drive? Do I still have ground loops going on - went I first put the rig in the box, it would not tune with TC2 without plastic standoffs. Help! 73/72

Steve Miller kg7pv @ teleport.com Portland, OR
(CN-85) Norcal #308 QRP-L #109 ARCI # 9230

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [15637] 38S Power Drop
Message-ID: <199703251745.RAA09231@chuck.dallas.sgi.com>

Not sure how many are having the same problem as Steve Miller on power drop off over time. If you are, send me email. Let me know if you have a O-scope.

I recommend monitoring pin 7 of U1 and see if the RF voltage level drops off. Use O-scope. This means either U1 or X1 (22.118MHz) crystal has a thermal problem.

Steve indicated that his was independent of transmitting, i.e. if he had rig in receive mode it decreased.

I wouldn't think that there was enough RF current through D3 to cause it any thermal problems either.

Also measure effect at either end of the band.

Take data, take lots of data..... :-)

TNX

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/
WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: ed.welch@cheaha.com (ED WELCH)
Subject: [15598] 49er Kit Availablility
Message-ID: <8D49480.00040019F2.uuout@cheaha.com>

-> We are very fortunate in the QRP world today to have so many
-> designers sharing their work with us. But, please, please honor
-> their copyrights. If we don't, they may not wish to be so share
-> conscious in the future. Dave Benson, Roy Gregson, Dick Witzke, Wayne
-> Burdick, Ori Mizrahi-Shalom, Bruce Williams, Dick Syzmanski, Rick
-> Campbell, Rick Littlefield and others have graciously been very open
-> with their circuits and designs. Please do not do anything to tilt
-> the delicate balance that we now enjoy.

Amen.

ed/KF4KRV

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: km@PACT.ORG.PE ()
Subject: [15603] 72 top secret & other sensitive matters
Message-ID: <m0w9Mtj-000VZsC@uurcp.rcp.net.pe>

24 MAR 97,

I was sorry to read Bill's discussion and following thread on the use of the top secret "72" code. This should be avoided. :>)

Now on more sensitive matters -- I, too, found that a longer wire (full sloping dipole) on 30 meters brought in much more strength than the Butternut vertical. Both are vertically polarized. Thus having a

full half wave out there vs. a short quarter wave makes a difference.

Dollars to donuts the loop will outshine the sloping dipole for some conditions.

The basic principle is -- more resonant wire, more signal strength; it is that simple

72 de OA4DB0 Where resonance is a way of life and
Quads are beautiful!

Kris

ARCI #7272

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bruce Rattray <rattray@siast.sk.ca>
Subject: [15633] additions to SWL-30-
Message-ID: <6823571025031997/A09189/RIEL/11B3CAB91700*@MHS>

I'm looking for suggestions as to what I could add to the Small Wonder Lab qrp transceiver (1.5 w) for 30 mtrs in the way of filtering and a keyer...the need of a filter is obvious and the keyer should operate on the same battery voltage that the transceiver does for portable "in the field" operation...thanks & 72 -
Bruce (VE5RC) QRP-L#886
"QRP! How sweet it is!"

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Steve/N0TU <N0TU@webaccess.net>
Subject: [15616] Anyone need ND?
Message-ID: <3337D81D.1BB4@webaccess.net>

Anyone looking for ND...I hear Jim KB0WVL on 7038-41 every morn
between 6 and 7 am MST...go get 'em.....Steve

"Just doing it" - Havin'a blast buildin'& usin'QRP gear that is...
n0tu/hw8/49er/SW40/38s/solar/backpack-mobile... QRP-L # 911
My homepage - <http://www.webaccess.net/~S&P> ARS# 206 CQC# 394

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [15621] Colpitts Osc and the Pixie
Message-ID: <199703251503.PAA08829@chuck.dallas.sgi.com>

Gang,

The other day a discussion came up on the Pixie 2. Well that was just the tip of the iceberg.

I think one of the problems with a scientific background is you always have to ask why and how. Why does this work the way it does and why have we always been doing it this way? How can it be improved or made easier or made better or cheaper without sacrificing quality, etc.....

So I'm looking at the Pixie 2 schematic done by WA6BOY, David Joseph in CA for NorCal. The schematic also appears in the Spring 1996 issue of SPRAT. I see the famous Colpitts Oscillator as the L0. So I say, hey, I got some crystals that Doug Hendricks, KI6DS, sells for \$3 on 7.040 and 10.116MHz - I'll play with this circuit. Big mistake on my part. Time wise that is.

I don't like the resulting waveform, so I go to the two 7' high bookcases that have all the QRP stuff and the proceed to go through all the ARRL Handbooks, W1FB QRP books, the RSGB Handbook, Orr's Handbook, and a shelf of newsletters and the QRPp, SPRAT, NE 72 News, etc.

After writing down every combo of the Colpitts Oscillator I get the protoboard and start wiring up these puppies. This is fun. This is time consuming. This is worth a writeup to the group and then to some newsletter. Hey, I'll make it a complete chapter in the K5FO QRP Notebook. ;-)

Doug DeMaw and others have Colpitts Oscillators that drive the heck out of the crystal and the NPN transistor. So much so that it drives both into non-linearity and sometimes an incredibly terrible waveform and thus all kinds of nasty harmonics which later have to be filtered out. All of this just to get a more power out.

I started out my Undergraduate career in Physics and Mathematics at McMurry College in Abilene TX - a Christian Institution of Academic Excellence. I worked on a crystal research program sponsored by HP, Collins Radio, and the Knight Co. under the direction of Virgil E. Bottom, PhD. He wrote a book "Introduction to Quartz Crystal Unit Design", Van Nostrand Reinhold Publishing Co. The book has long been out of print, but it is worth the search to see if the library has it

or you can get it through inter-library loan. Publication date 1982. Costs about \$80 new, I think that's what I paid for it. At McMurtry we did some interesting work on resonant freqs and modes due to surface curvature. There may be another source where I got the book some time ago and will let you know where and how many later today. I have to look through 10 years of personal journals to find the information. I have played this game before.

This group keeps bringing up the topic of 'rubbering' crystals and seeing just how far you can move them. I cringe sometimes. Sorry, just my nature. You'll learn the hard way and that's OK. But a crystal has certain physical characteristics that you just can't overcome. It's the physical laws at work. There are parameters called temperature coefficients, crystal activity, frequency stability, etc. that all come into play. Stressing the crystal will give you a unique tone on the air and in some cases a chirp, so please make sure you double check everything before you put it on the air.

Someone brought up the time old discussion of the famous FT-243 crystal holder and grinding crystals. Two things. Build a crystal test circuit and monitor the crystal activity as you go. It is a pain and time consuming to do this but you can kill the activity of a crystal in the grinding process. There is a secret to keeping the four corners of both sides of the crystal slightly rounded to keep the oscillation going. Two. Due to the large capacitance of the crystal holder itself and the larger size of the crystal blank you will not be able to rubber the crystal frequency as much as can with the smaller HC-18U crystals that are plated and mounted inside the case.

Did you know air pressure will effect how far you can rubber the frequency? Did you know that the surface movement during oscillations will cause molecules to undergo over several million (and I mean MILLION) G's of force? I knew you knew. The removal of one single layer of molecules from the surface will move the resonant frequency several hundred Hz. That's why they are expensive to get on frequency for the one that you want.

* Back to the Colpitts and back to the library. You go and sit down with your
* collection of newsletters and books as soon as you can. Don't forget
* to do this today. Don't put it off. Look at the expiration date of all the
* clubs and organizations you belong to. Have they expired? Are they about to?
* Scarey isn't it? Are you about to make a very big mistake and miss an issue?
* Who's fault is that? I spent Friday writing checks. The checks are in the
* mail. :-) If you have a limited budget then sometimes you have to make
* a very difficult decision and noone can help you decide who goes and who
* stays. If I had to make a decision between a book and a kit, the book will
* win everytime. If I had to chose between a newsletter subscription and a book
* the newsletter will win. I leave it as an exercise for the reader to figure
* out that logic. :-) And before you through out any old mags, newsletters,

* etc. let us know, please.

In looking through all the info and I find that the Spring '96 issue of SPRAT had the circuit I was looking for. George Dobbs, G3RJV, and the G-QRP Club has been producing SPRAT for 25 years. Bet George would be the first to admit that he wouldn't trade a single minute of all the blood sweat and tears that he and the gang have put into it. On page 17, Marco Eleuteri, IK0VSV, has a TR Oscillator circuit using the Colpitts Crystal Oscillator that has just about what I came up with after several hours of playing with various circuit values and using the scope looking at waveforms. I have a slightly different set of values and some frequency dependencies that adjust for a more perfect sine wave output, but Marco did a lot of work himself to come up with his values. One thing that George does in SPRAT is he puts in a lot of schematics. He doesn't use his valuable space for circuit descriptions or step by step instructions. SPRAT is for the more serious QRP'er, but it is also good for the newbie also. Don't pass it by. I'll never get used to the symbol for a resistor though. I still prefer and like the squiggles. ;-)

Where am I going with this lengthy discussion? I think that the Pixie 2 needs a rework that isn't difficult, but I think also at the same time we shouldn't spend too much time and effort on it. The more important problem at hand is getting the masses to move from 40M upward in the next two years. I have the Colpitts as a tripler with a perfect sine wave on 21.070MHz using the 7.040MHz crystal. And no Virginia, that is not a typo. That is the correct measured frequency using the Heathkit IM-2410 Counter calibrated with WWV, Ft Collins CO. I'll come back to that at another time and place.

Roy Lewallen, W7EL, was right last year at Dayton. I neglected the real homebrewing aspect of this hobby and he pointed that out to me. I will appreciate that for the rest of my life Roy. This little research topic points out that we need to continue to look at the new and old circuits and play with them and get them fine tuned and then hope that we can get the ARRL and others to update the values so that the new kids on the block won't make the same mistakes. Although that is not bad either if they get around to improving it also.

Wes Hayward, W7ZOI, in the "Solid State Design for the Radio Amateur" book published by the ARRL, has another set of values for the Colpitts that look like they will be good also and I guess I have to rewire everything and put the waveforms on a web page to illustrate all of this. A book for sure and maybe the web page at a much later date.

I will put up the final schematic(s) by Thursday for the Super Pixie and the Colpitts Oscillator. Got permission from George Dobbs. I'll post when the material magically appears.

There is still the unanswerable topic of the starting amateur or even a

longtime amateur that wants to build and experiment. Should you start with a kit first or go with breadboarding and ugly construction? Both would be nice and if you had to chose between one and the other you'd learn more by doing it yourself but it would take more time and energy to get on the air. We need you on the air, but we'd understand if you weren't there too. We'll wait on you. I just hope we never run out of supplies for parts and that the SMT stuff doesn't put us out of business on building our own. Yes, I know SMT is good, but there are a lot of people that don't and won't be able to work with it for a number of reasons.

OK, back to your regularly scheduled programming.
Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/
WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: DENNYV <DENNYV@clarityconnect.com>
Subject: [15649] CORRECTION RG-174 mini coax sale
Message-ID: <33387C75.25DB@clarityconnect.com>

Sorry about the Mistake in the Header. I did get it right in the body.
It is Rg-174 50 ohm minature coax. Sorry If this caused some confusion.
Denny (if He cas stop playing with his 38s) AD30

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>
Subject: [15660] CQC CONTEST
Message-ID: <333862ED.5EF@swbell.net>

Howdy from Texas!
Have the results of the CQC QSO party been posted? I missed them if they were.
Come on QTTF !
CU---OJ---K10J
Houston, Tx.
..

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: cjster1@ix.netcom.com (Craig J. Sterling)
Subject: [15654] DXCC/QRP!
Message-ID: <199703252247.QAA22515@dfw-ix4.ix.netcom.com>

Greetings,

Thought I would share my delight with the group ... Finally obtained my 100th QSL confirmation. To date, I have worked 117 countries and have officially confirmed 102 ... ALL QRP ... and with wire antennas and spread out over 80, 40, 30, 20, 15 & 17 meters. IT CAN BE DONE ... and at the bottom of the sun-spot cycle too!

I've only been licensed since March 1995, but didn't really get on the air until April 16, 1995. It wasn't until October-November 1995 that I started operating ONLY QRP and set my sights on DXCC, WAC & WAS.

99.9% of the QSLing was direct ... don't ask about the cost of postage and green-stamps/IRCs. I figure I could probably pay for a new TS850! Silly man! But did I ever have fun! Now on to stamp collecting!!!!

Thanks for all the inspiration,
Craig, AA3MD

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Wayneb1103@aol.com
Subject: [15610] fishing fleets and 2 meters
Message-ID: <970325013809_853787446@emout18.mail.aol.com>

I think this type of behavior is common. I also know that Many of the salmon boats in Alaska, as do boats around Seattle, use 2M handi's for communication. Much of this is done to AVOID the usual maritime bands where competitive ears might be listening. The FCC was cracking down on this two years ago. I do not know the current status.

=====
Its not just the salmon boats Ken. As a fisheries observer I saw many of the groundfish boats with 2meter radios mounted on the bridge. When they come into port or are boarded they remove the mikes, afterall there be no law against listening :(

I suppose that I didn't worry 2 much about it. Never saw one in use and 2 meters dosn't carry that well from the Bering Sea. In the old joint venture days all the catcher boats carried 2 meter rigs as often it was the only frequency they could communicate with the foreign vessels that they fished for. As always there is the law and the intent of the law and since it is obvious that the fcc cant police the land-locked ranks it be obvious that they arn't going to worry about ships at see.

73's

Wayne WB7WHI
Spokane, Wa.

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [15630] FOX FINAL RESULTS
Message-ID: <199703251642.QAA09063@chuck.dallas.sgi.com>

Gang,

OK, this is it. The final results for the fourth (?) year of the foxhunt. A million thanks to all that participated and all those that tried. Some did not catch the elusive fox during the whole season. Some sat on the sidelines. Not to worry, we'll do it again in October. In the meantime work on the rig and the antennas. Don't email to get on the list. Wait until September when I make the announcement.

In the meantime:

1. Work on the antenna(s).
2. Work on knowing UTC backwards and forwards.
3. Work on the antenna(s).
4. Work on the code speed, if you had trouble this year.
5. Work on the antenna(s).
6. Work on the rig.
7. Work on the antenna(s).
8. Move to where the antennas will work. The same antenna will not work when moved to a different QTH.
9. Get better propagation to TX. Maybe pick all foxes on the east coast next year. ;-)

I'll update the prize list and announce winners by the end of the week. It'll give time to think and correct any typos.

Again, hope you all had fun. There were a lot of exchanges this year. Guess the exercise improves everyone's skills each year, both fox and hunters.

FYI

Foxhunt 1996/1997 Results

<<<<The Big Game!!!! CA won. Chuck pays Doug.>>>>

Fox Scores

CALL	CONTACTS	STATE	TOTAL POINTS
W5TFB	77+71	TX	148
KU7Y	57+72	NV	129
K2NF	59+47	FL	106
W5FN	50+56	TX	106
W1HUE	55+47	ID	102
AE4IC	53+48	NC	101
NQ7K	37+49	AZ	86
W8RU	47+37	MI	84
K50I	37+46	NM	83
N6GA	56+23	CA	79
N2VPK	36+42	NY	78
W0CH	49+24	MO	73
N9DD	40+33	IN	73
AA1IK	30+38	NH	68
W03B	29+36	MD	65
N2TNN	29+32	NJ	61
KS4L	38+21	AL	59
N6WG	36+23	CA	59
W1EAT	21+37	VT	58
AB7TK	22+21	ID	43
N8VAR	23+18	OH	41
KA5DVS	25+16	NJ	41
AE9K	23+11	WI	34
KF2PH	12+20	NY	32
W8KC	11+15	MI	26

 * Total Qs = 1,864 *

Novice and Tech+ Scores

KB0ROL	12+ 9+11+ 18+ 4+ 6+ 4+ 7+ 7+ 9	CO	87
WA7SSA	7+ 5+ 3+ 14+13+10+ 2+ 9+ 4	ID	67
KB9JLO	12+ 9+19+ 8+ 5	IL	53
WD4MSM	5+ 5+ 9+ 3+ 3+ 5+ 4+ 2+ 3+ 3+ 8	IN	45

KB9LGJ 11+ 3+ 5

AZ

19

* Total Novice/Tech+ Qs = 267 *

Note: X.5 means X regular foxes and .5 means one Novice(5 pts)
so that score is X+5. Only one Novice per non-Novice stn.
So 3.5 means 3 regular and 1 novice for total of 4 contacts,
but 8 points total. Only one Novice contact allowed for
for the five points for the season for stations other than
Novice/T+.

Hunters Scores (and it's a close race)

Leader of the pack is: (39.5) NQ7X Floyd in AZ

AA0XI(31.5) NI0A(19.5) W00Q(14) K0EVZ(10.5) W0CH(6.5) WB0CLD(5) AB0CD(5.5)
KD0SU(6.5) KI0G(5.5) AA0XZ KQ0I WA0FGV WA0RPI(2)
KB0VCC(3) AA70A N0TFI KB0PJ N0UR(3) AB0DC K6QD W0HEP(1.5) KR0I(2.5)
KB0YMI(0.5) W0SS KB0YBX(0.5) NG0M(0.5) N0UVR(2.5) K0FRP(1.5) WB0CGH
N01E KB0ZDF W0RW(0.5) W0FG(2) WB0JVQ K0EVH NF0R KB0LMQ W0GD
K1MGE

K1MG(29.5) W1HUE(19.5) K10J(14.5) AK1P(11) WA1QVM(9.5) N1RXT(3.5) KA1AXY(11.5)
N1QQV(11.5) KC1GS W1UI(0.5) AA1MY(8.5) KC1FB(10.5) WA1UPB
W1EAT(2) N1UMA NT1U(2) WA1VPB K1CL(4) AA1PD WY1W AD1E K2JHY

K2VCO(14.5) N2VPK(13.5) AA2WJ(13) AA2PF(8) N2GO(5) WZ2T(3) K2VNM(8) N2YRJ(3)
N2TNN(6.5) K2NF KG2DP KF2PH(3.5) N2TO W2DP(2) W2NRA N2CX W2UX AA2ZW
N20FG KG2H K2LGJ KA2UPW W2RQ WJ2V AA2QO

W03B(9.5) K3ETS(2.5) N3SLR N3KFL(2) W3PNL(4.5) KA3WMJ(3.5) KT3A(4.5) NR3E(6)
W3WZ(3.5) KV3NX AA3MD NF3I(1) KA3WMJ(2) K3QIO(4) NR3Z W3DW(1.5)
N3GO AA3KR K3VP WS3S

KE4YH(38.5) AE4IC(14.5) WB4ZKA(4) W4STX(2) KS4L(3) KE4KDT(1.5) AD4ZE(4)
WJ4P(7.5) K4CGY(2) KK4KF(10.5) N4SO(12.5) KI4JA NR4N(1.5) N4EUK(0.5)
KS4HQ(0.5) K4PQC(2) KS4V KQ4AL N4IM(3) KC40(5) WX4P(3) AE4MX W4MO
AB4RR KD40BQ(3) AE4VQ N4JS(4.5) K4WZ(3.5) KD4SJM(0.5) K04A KE4WQH(2)
N4BP KU4AF W4HFU N4PA K4QE KF4KRV(0.5) AE4JM(2) KI4PZ(2) AC4YK AB4WQ
WS4S(1.5) K4GT(4) NV4E N4GHI WB4TPW WB4FCO N4ROA(3.5) WD4MSM(2)
AC4HF WD4ET(2)

W5FN(40.5) KK5R0(35.5) N5ET(19.5) AB5UA(34.5) W5TFB(24.5) K50I(28.5)

K5WO(11.5) K5UP(18.5) K5ZTY(20.5) KK5MC/5 WA5WHN(2.5) AC5II(10.5)
N5JKY(11) K5FO(8.5) WB5QYT(4) W5VB0(3) KK5GJ(1.5) K5RV(12)
W5HNS(11.5) WA5CVM AC5CI KA5DVS(2) NA5N(4) KA5T(20.5) WD5GKH
K5ON(14.5) KB5YVT N5LU(20) KE5TF(12) N5ALO(3) KE5FT KJ5SP(4)
K5JHP(13) WB5J K5MO KC5RO(5.5) W5CTZ KJ5VW(10) W5XE(14.5) KK5NA K5JP
K5ID(5.5) NA5K(2) AB5ST K5PSH W5SST WA5YFY K5LE(3) K05W(1)
W5QJM KC5VYE(0.5) K5ONF WB5GWB AF5Z W5APX K5WD K5VP KC5EIV(2)
W5CU N5BGZ N5JI(13) K5GQ W5UXH W5OWV K5NZ(2) W5SB N5DUQ

N6XU(40.5) W6BAB(27.5) KK6MC(12.5) N6WG(17.5) K6JI(5) KI6DS(3) WA6NAE(14.5)
W6ABX K06KA(15.5) KI6SN(2) KD6ZMJ(3.5) WA6MOK(0.5) K6VNX(19.5)
WA6HHQ(8) AA6R(4.5) WA6OWR W6EMT(6) N6GA(2) AC6KW WA6GER(2.5)
W6EMD(7.5) WB6LMA(0.5) KI6OY(9.5) N6KR(2.5) W6ZH(29)
W6SI WA6EIW W6KAK K6JI(8.5) N6MM(20) W6SU(24)
W6JHB(3.5) WD6FDD(2) W6SIY(2.5) W6ZOH N6VZ(4.5) N6XI KD6YIX(3)
WA6PBY W6KI WA6TLA(7.5) WI6I KF6CTA K6YR N6LUI W6GPM

NQ7X(42.5) N7VE(32.5) KU7Y(23.5) AB7TT(22.5) N7GS(16.5) NQ7K(20.5)
AB7ST(16.5) KI7MN(12.5) N7KT(14.5) WW7Y(4) N7MFB(3) WB7DUO W7JDZ(9.5)
AB7HI(2.5) KJ7NS(3) AB7OA W7SNV(2) N7CQR(4.5) AB7MY(10.5) N7MFB
KJ7LB(0.5)
W7LR KJ7UN(1.5) AL7FS(1) KE7IT(2) N7CTJ(4.5) AA7QU(3) W7GVN(14.5)
W7FXH(0.5) W7KXB(4.5) WJ7H AB7TK(16.5) KJ7ZU(0.5) KC7SYL(0.5)
WA7LNU K7TP(2) W7GUN(0.5) KI7NS(1) KG7PV KE7X KA7YOU W7GH W7LYO
KC7PGO(0.5) AA7ST(2) N7MFB(2) KA7NOC

W8DN(12.5) WA8CDU(9.5) W8KC(1.5) WD8LDY(3) W8EO N8VAR(4.5) N8CQA AC8W(7)
KF8EE(3) WD8KQY W8LRM WA8CDV K8BVJ(1) K8IDN K8DD KB8GDF(0.5)
N8OEF WA8GHZ(3.5) W8BDR K8FF AA8EB W8RU K8CV(1.5) W8MVN

WA9PWP(18.5) NN9K(16.5) N9DD(16.5) KB9IUA(13) W9DZ(10) NY9B(3) AE9K(3)
W9UQB(5.5) N9RYI WA9YLB(3) WB9LEF N9HH(5.5) N9SSG WB9LKC(2) W9JIF
W9ZSJ WD9CTB N9XVZ K9HBY WJ9B W9XN(2)

VE3JC(13.5) VE7SL(18.5) VE7CQK(8.5) VE3SP(5) 8P9BM(1) VE5RC(7) VE5WF
C08JM VE5WS(0.5)

Novice Stations working foxes - these count in separate class of prizes.
Let me know if you are N/T+ and have worked a fox and I put you in the
above grouping by mistake.

WA7SSA(6) KB0ROL(2) N0PMY(2) KB9LGJ(1) KB0SJY(1)

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/

WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: adams@chuck.dallas.sgi.com (Chuck Adams)
Subject: [15629] FOX Prize list
Message-ID: <199703251635.QAA09048@chuck.dallas.sgi.com>

Gang,

Before I give all this stuff away, the fun part of this
job, did I leave any prize donations out?

A special thanks to all who contributed.

TNX

-----cut here-----

FOXHUNT 1997 prize list

Prize	Contributor(s)
OHR Explorer I Kit unbuilt	Chuck K5FO
Small Wonders Lab GM-XX Kit unbuilt	Chuck K5FO
TenTec 1340 (already built by K5FO)	anonymous
NQ7X iambic paddles	Floyd NQ7X
Rainbow Tuner Kit	NJQRP Club
38-Special kit (Novice Category)	Chuck K5FO or Doug KI6DS (CA vs. TX)
38-Special kit (Novice Category)	Chuck K5FO or Doug KI6DS (CA vs. TX)
1 yr Renewal/New NE-QRP membership	Rick WZ2T
Atomic Keyer Kit	Gary N2JGU and Brad WB8YGG
TiCK Keyer Kit	Gary N2JGU and Brad WB8YGG
TiCK Keyer Kit	Gary N2JGU and Brad WB8YGG
1 yr Renewal/New QRP ARCI membership	Mike WB4ZKA/7
NorCal 40-9er kit	Bob KI7MN
NorCal 40-9er kit	Rick WZ2T (xtal from K5FO two choices)
CODEMASTER V (lowest Novice score)	Marshall AA0XI
WB9KZY 'Island' keyer	Marshall AA0XI

The following for High-Single-Night-Novice QSO Count:
1 yr Renewal/New MI-QRP membership Paul Valko W8KC

Chuck Adams K5FO CP-60 adams@sgi.com
http://reality.sgi.com/employees/adams_dallas/
WIMPS: Qs=000 30m=0 17m=0 12m=0 States=00/00/00

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: John Kitchens <kitchens@earthlink.net>
Subject: [15605] FS: Argo 509
Message-ID: <199703250414.UAA12073@norway.it.earthlink.net>

Like new, Ten-Tec Argonaut 509, with the 208 cw filter and manual, asking \$355, includes shipping

John, NS6X

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: ke4fps@juno.com (David E. Shelton)
Subject: [15600] FS: OHR QRP Classic and OHR WM-1
Message-ID: <19970324.211917.12374.0.KE4FPS@juno.com>

FS: OHR QRP Classic (QRP Transceiver for 20M/40M) rig is great qrp contest rig has built-in Iambic keyer with less than 10 hours use. I also have a OHR WM-1 wattmeter both in perfect condition. Both for \$225.00 or best offer.

Reply via e-mail or call 502-493-9088

73 es CUL from:
David E. Shelton, RN, BSN, OCN
Amateur Call: KE4FPS
FISTS #2103 ARCI #9079 QRP-L #142
ke4fps@juno.com Packet Radio KE4FPS@WD9AGK.#SIN.IN.USA.NA

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: DENNYV <DENNYV@clarityconnect.com>
Subject: [15586] FS:RG-178 coax
Message-ID: <33375581.5520@clarityconnect.com>

I have for sale a quantity of RG-174 coax for sale as follows:
25 ft for \$6 ppd. 50ft for \$11 ppd. 100ft for \$20 ppd. The coax is as new however it has sat in storage for several years

The quantity is somewhat limited so please send me an E-mail first so I can reserve your order.

ADDR is:

Dennis Voorhees AD30
712 North Elmer Ave
Sayre, PA 18840-1804

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Jade Account <jadepro@tarantula.intarachnid.com>
Subject: [15607] Gel Battery Charger circuits and kit source (Jade)
Message-ID: <Chameleon.4.01.970325000306.jadepro@p_jade.hampstead.k12.nh.us>

As promised a very long time ago, I do not want to turn this forum into a commercial for our products, however, recently there have been many questions on the subject and a few have mentioned us, so I wanted to make a few comments.

In 1987 I gave a very good friend of mine, Warren Dion, N1BBH, a sample of the new UC3906 chip from Unitrode. The chip is specifically designed for lead acid battery charging, gelled or liquid. Warren was so excited about the chip, he tore apart his charger that he had done for the ARRL handbook the previous year and changed the circuit using the new UC3906.

He submitted to QST and they published his circuit in June of 1987. It was an excellent piece, and he was the first one to really push for the usage of a 14 volts battery system, instead of the 12 volts most of us use. If there is interest, I can go into that in a separate posting.

A&A did the board for the article and I believe they may still have boards and kits. After spending some time with the UC3906, we came to realize that it was capable of much more than Warren had in his original article...the result was the present line of Jade Products, Inc. battery controllers. We define them as controllers because they really are more than just chargers. Some of the features incorporated are:

- o Accurate "undervoltage" protection. If the battery is discharged to less than 10.5 volt threshold (in a 12 volt system) the controller throttles back the current to a small value until the battery reaches the threshold. This protects both the severely discharged battery and the controller from trying to dump excessive current into a possibly damaged battery.
- o Full status monitoring, via LED, of the various stages of the battery charge cycle.
- o Disconnection of the battery if the charging source is missing and the

battery is discharged to the Threshold voltage. This saves the battery from being discharged down to 0 volts if the power goes away, and the load is connected to the battery. This is particularly useful in remote sites that may not have personnel available to disconnect things.

- o The PC board has the control lines brought out so a large off-board pass transistor can be used, along with the associated power components (transformer, Caps, etc.). This allows one to use the basic board to build rather large controllers. We had one fellow that built one for 40 amps.

- o The original design lacked protection from a battery being connected backwards. This usually resulted in a destroyed chip and pass transistor. As part of our design we incorporated a PTC (positive temperature coefficient) device that is a fusing device that automatically resets itself, no intervention is required. It also limits output current, should a short condition exist, and protects both the controller and the shorted device.

- o The board is designed so that jumper setting can be used to make either a floating voltage controller, or a dual-step current controller. That can also be explained at a later date, should there be interest.

- o The board uses screw terminals for all connections. The original design used soldered wires and that creates such a headache whenever one wishes to make changes or remove the board. The connectors add considerable cost to the board, as much as \$4.00 (our cost per board), connectors are never inexpensive!

- o The kit comes in many flavors. We reasoned that amateurs come from all walks of life and have considerably different financial resources. We wanted to make this product as available as possible. For this reason, one can get just the bare board, or a kit with all the components, except the power transformer (16 - 20 volts 1 amp), or one with the power transformer. There is also a version that is complete with a heavy duty metal enclosure. Incidentally, Ernie, AA1IK, has one of our solar controller models that he has modified to suit his requirements, and it is a real piece of work. It is a thing of beauty and a tribute to what radio amateurs can do with electronics. Maybe one of these days I can convince Ernie to get me a photo, and I can put it up on our WEB page?

I have no doubt already overstayed my welcome with this rather long piece, but I thought with all the charging questions lately, it was time I said something about what we are doing.

Oh, I almost forgot. We also have a small book we have put out called the JADE BOOK. It covers many battery charging issues and might be interesting reading for some folks. It also has topics on antennas and other QRP related issues. It is \$5.00 with an order and \$6.00 post paid in the US.

If anyone wants more information, just get to us via any of the following methods. Thanks for the time and keep building things folks, QRP builders are one of the mainstays of this hobby!

72'

Dennis, K1YPP

Jane, KA1FUN (President)

Name: Dennis Blanchard, Jade Products, Inc.
Engineer, (K1YPP) 603-329-6995
FAX: 603-329-4499
e-mail: jadepro@intarachnid.com

US Post Office : PO Box 368
E. Hampstead, NH 03826-0368

See our Web Page:

<http://tarantula.intarachnid.com/jadepro/>

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: QRPDave@aol.com
Subject: [15596] Good Friday Sprint
Message-ID: <970324204418_-1672070525@emout02.mail.aol.com>

Can any of you guys send me the full scoop on the MI QRP Club's Good Friday Sprint? I have never entered a contest, so I need information on the format for reporting, rules and regs, and I am assuming that the 2300 3/28-0300 Mar. 29 are universal time. Thanks for the help! Does one have to be a member to participate? Thanks, guys and gals! 73, QRPDave@ocsnet.net or QRPDave@AOL.com

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
Subject: [15634] Ham bands/Marine
Message-ID: <9703251721.AA22190@krypton.nmr.Hawaii.Edu>

Lots of boat owners purchase HAM rigs from dealers who are all to happy to whip in the mod to allow them to transmit on Marine

frequencies. They are cheaper than the type accepted Marine stuff and better rigs. Marine rigs are designed to be idiot proof, very simple and primitive compared to HAM rigs. It is only natural that they end up transmitting on HAM frequencies sometimes.

On the Marine bands, the Utility Stations make excellent propagation beacons. The listings in the Confidential Frequency List give the callsigns and these stations often send RTTY or SITOR in one sideband and CW in the other. From the CW station keeping message, you can get the callsign.

The Utilities should make excellent propagation markers for 30 for the same reason, once the callsigns and ID's of the common ones are sorted out.

Thanks for the info on the 40 meter signals. Station "F" was back again last night and doing well. On 40 last night and this morning there was a new wrinkle. Not only is the space above 7.100 packed with SW AM stations, two of them were being jammed! The jammer at 7.100 was a real horror, the one up at 7.190 was less effective and I could hear the Russian voice behind the jamming. You are all lucky to even be able to try to use 40 above 7.100!

Amazing how things change. I have not monitored in a few years. Radio Moscow has become a knock off of VOA and now politely signs Voice of Russia and announces in an almost British accent "This is Moscow", I expect Big Ben to chime any second.

The lanai antenna version 78.3.a loads well on 40 meters and there is a lot of action at the bottom of the band. Now that reception is coming along, I would appreciate any QRP operating tips people might have. I have read the book Your QRP Operating Companion a number of times. Any better books on how to make QRP contacts?

I turn evil green with envy listening to all the stations brag about their stacked 4 element 20 meter beams up 75 feet. Of course they are pumping them with 800 watts, which seems like such a waste.

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: JOppen6115@aol.com
Subject: [15612] HB: Jackson Harbor Marker Generator - Mini Review
Message-ID: <970325035600_-1672041999@emout17.mail.aol.com>

Hey gang,

I thought you might like to hear my experiences with the recent new offering from Jackson Harbor Press (the Island Keyer folks). I've been needing a marker generator for a while to help me keep my QRP rigs in band. Some of the older ones have marginal dial calibration and drift a bit. I was also impressed by the fact that NA5N lists a marker generator among the accessories/tools used almost daily. Needless to say, I jumped at a chance to order the VE3DNL marker generator kit from JHP when they announced it recently.

So, what do you get for your six dollars? This is a very simple kit, consisting of six parts and a PC board. The board is double sided, has plated through holes and measures ~1.5" square. The single IC comes with a socket to prevent soldering damage etc. The builder is left to provide a power source, switch and a case. Since the supply can be 5-15 volts, I chose a 9V battery for simplicity and compactness.

It took me about 30 minutes from plugging in the soldering iron to completion, about half of which was spent digging through the junk box for the battery clip. No smoke on power up and tuning was simple using a general coverage receiver.

The output has choices of four outputs, one each for 5, 10, 20 and 40 kHz. I haven't decided yet if I'll just hook up one of them or select them with a switch. At first I'd wondered if the wire lengths to the switch would radiate all the frequencies at once, but that's how the ARRL Marker is done, so I think I'll try it (in a shielded box). The instructions don't show any switch arrangements and are a little vague about how to package or use it.

On the other hand, if I forget the switch, this could be really tiny. It'd be a waste of space to use a whole Altoids box for it!

I'd probably have preferred a choice of 25Hz like the ARRL Handbook's circuit, but this will do almost as well. For the price and complexity, it's hard to fault it for small things like that! All in all, I really enjoyed making the kit. And now I won't have to wonder if I'm too close to the band edges any more!

In case you missed the original posting, the kit is \$6, postpaid (limit one per household). The address is:

Jackson Harbor Press
RR1, Box 91C
Washington Island, WI 54246-9718
(414) 847-2761
jacksonharbor@worldnet.att.net

The usual disclaimers apply. I'm just a satisfied customer!

72/73,

John Oppen, KJ6HZ

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Vic Blackwell" <blackwel@tlcnet.muohio.edu>
Subject: [15645] Impedance Bridge
Message-ID: <9703251959.AA19574@tlcnet.muohio.edu>

Hi gang,

Does anyone have a manual for an ESI Impedance Bridge
Model 250-DA? My bridge is on the fritz and I discovered
that I am without a manual.

Please contact me direct, I will pay all cost for copying or
whatever it takes to get the job done.

de Vic Ad8k

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [15591] IT LIVES
Message-ID: <19970324.181507.7263.2.kb0rol@juno.com>

My 38 Special lives, thanks to all the trouble shooting help I traced it
down to a bad solder on a coil. Range seems to be around 10.10 to
10.12. Haven't tired transmit yet cause my son hasn't been home and I
need to use his license to transmit 8-(-.

I'm kind of behind in my ham fun. Derek (KB0SJY) my ham son took a
shower Saturday evening and found a soft spot in the wall so I get to
rebuild a shower. Dereks OK and real clean.

Thanks

de
KB0ROL, Brad

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: pmk@juno.com
Subject: [15614] Just finished the LC IIB semi long

Message-ID: <19970325.124903.4735.2.PMK@juno.com>

I ordered the LC IIB Friday night after visiting the web site around 10:30 est and Marshall had his watts line forwarded to his house and interrupted him I am sure but he was very nice. I am not one for putting a CC # through the internet so called it in. I went to the local surplus store to get some parts for the 38s updates and mods and picked up a handful of toroids knowing the LC meter was going to show up in a day or two. When I got home there it was in the mailbox (Monday he must have shipped it Saturday). I pushed aside the 38s on the work bench and opened the box.

Construction

Well i'll have to say it was very harmless to put together and went together very well. It said install the parts in no particular order and away I went. I always stress to everyone read the instructions before you start but thought it looked to simple and away I went. There was a few notes there That would have saved me about 5 minutes but still had it operating in under a hour. The only calibration was setting the contrast on the LCDisplay and then away I went.

Operation

I am not a engineer or guru by no means (that is why I purchased it) and started picking up caps and it was working great there. I had the toroid wound up for the stock 38s 5 watt mod Shorted the test jacks to zero the meter the put in the wound up toroid. Low and behold there it was 2.874 micro Henry Yeah.

Supposed to be 2.9 uHy but that is close enough if you round it off. I wound the toroids that were unknown (12 of them) using 10 turns each with # 26 enameled wire and had a ball. When I picked up the toroids I got the ones he had a bunch of and got 2 each so I can go back with a bare one and match them. I don't have any idea what the permeability is on them but have a idea what they will wind up at now. It really shines after they are wound fine tuning them by either spreading or closing the winds together.

All in all I am very happy now and think I am going to try it out on the Pixie 2 that Chuck Adams had on his web site.

I wish I knew more on what I was doing and all the features it will do for those more experienced than myself.

My thanks to Marshall

72/73 de Patrick KD4OBQ

ar

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: v31ry@ix.netcom.com
Subject: [15662] LDG latching relays
Message-ID: <1997325165128313966@ix.netcom.com>

This is a copy of a message I received from LDG about the latching relays:

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [15651] Location of JW5HE
Message-ID: <3.0.1.16.19970325171735.26e76e7a@mail49.mci2000.com>

Gand....not being an avid DXer, how good is working
JW5HE with the 38S at 3 watts. Is this a rare one??

That's #14 for DXCC!

72....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com		__o Cascade 17/40 SSB
Fenton, MI		_`\<, Mizuho 17/40 SSB
... ..	(*)/(*)	

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: n4so@juno.com (CHARLES K BROWN)
Subject: [15608] MI QRP Sprint
Message-ID: <19970324.232849.4431.33.n4so@juno.com>

Info on the Michigan QRP Club Sprint is available in a text
file called sprint.txt.

from: n4so@juno.com

Ken Brown, N4SO
QTH Near Mobile, AL
QRP-L #622
n4so@juno.com

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Doug Hendricks <ki6ds@dpo1.k12.ca.us>
Subject: [15648] Micrometals Phone Number
Message-ID: <3.0.1.32.19970325133508.006ba54c@telis.org>

Does anyone have the phone number for Micrometals in LA? I need it.
Thanks. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: v31ry@ix.netcom.com
Subject: [15647] Miniprop Software FREE
Message-ID: <199732514271325667@ix.netcom.com>

After posting the message Friday night about using MinipropPlus software for propagation forecasting, I wondered if a demo version was available anywhere. I've found it on this web site:

<http://www1.ridgecrest.ca.us/~aggie/software.html>

It's not the latest version, but it's a good way to try it out. The newer Miniprop-Plus has nice color screens, allows more bands to be plotted, plots for every half-hour (instead of 2 hours), and has a newer program option for the calculations. I've found the older version is a bit more optimistic, too. But it's the same version that I bought when I first started using Miniprop in 1991, and it's free.

I've added listings for all 50 states to the 'atlas', the directory of country prefixes that define the Lat/Long for each location. If anyone wants a copy of my latest atlas file, I can send it via e-mail. It has all the country prefix changes in it.

I don't have any connection to the author. It's written and sold by W6EL Shel Shallon, and he advertises in some of the ham magazines. The program comes with a 60 pg manual, including chapters on the fundamentals of ionospheric propagation.

I've learned a lot about propagation from using Miniprop!

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY

ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK

v31ry@ix.netcom.com

-- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>
Subject: [15655] More Stuff on Board
Message-ID: <3.0.1.32.19970325230306.006fd094@mailhost.primenet.com>

More work completed on the LDG QRP AutoTuner:
<http://www.qsl.net/ke7gh/qrp.htm>

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Jerry Parker <jparker@fix.net>
Subject: [15640] New 80 Meter SSB Rig from Dan's
Message-ID: <2.2.32.19970325190746.00ce813c@fix.net>

Dan has announced a new 80 Meter SSB kit.

Check out the specs on Dan's Page: <http://www.fix.net/dans.html>

Enjoy,,,72,,,Jerry...K

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: tim_hynde@idecc.com
Subject: [15628] No subject given
Message-ID: <9703258593.AA859306803@idec_mail.idecc.com>

Richard wrote:

>I've used dry transfer lettering and clear coatings for years, but
>have come to love the ink jet/clear plastic covering method. I can
>get much prettier panels for far less effort and a cad program lets
>me get it as precise as I can handle.

Another good material is from the Brady Label Co., I can't locate the catalog for the address but; they have 8 1/2 X 11 sheets of white, silver, and transparent plastic that you can run through a laser.

The white and silver are really fantastic because they have a Teflon like "feel" to them. I took a pencil eraser to one that I made and it took quite a beating before any loss of color.

73, Tim, ka8ddz

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Brent Alexenko <alexenko@prairie.nodak.edu>
Subject: [15623] North Dakota QRP Skedule
Message-ID: <Pine.OSF.3.91.970325092613.22903A-100000@prairie.nodak.edu>

Hi all....

Well, thanks for the mail about last nights sked. 7.112 was a MESS, and I got stomped on more times than I care to count. I'll try again tonight (Tuesday), but I'm going down to 7.040 to try my luck.

I only had one contact last night, and it got pounded in the middle. So, K5ID, if you're out there, I hope you got my exchange. :)

I'm going to try a bit earlier, around 9:30, just to see if it gets better.

This must be where the skill part comes in.....

73/72,

Brent
KG0WE
West Fargo, ND

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bill Todd <bill@techline.com>
Subject: [15622] NW QRP RTTY Logs?
Message-ID: <1.5.4.32.19970325150834.0069574c@mail.techline.com>

Hello group(s) -

You still have 1 week to get in your NorthWest QRP Club RTTY Contest log. Like many contests, many folks operated...but few submitted a log.

Oh well...

CUL, Bill-N7MFB

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Tony Fishpool <G4WIF@compuserve.com>
Subject: [15611] Panel labels
Message-ID: <199703250236_MC2-1338-F76E@compuserve.com>

I've been labelling my panels for the past few years using similar methods to Richard N7NT. My HP 510 inkjet produces nice output from various CAD programs. For years I used Lotus Freelance but recently I switched to Micrgrafix Draw which came free on a magazine. This program is far more accurate than it's predecessor. When I measure a dimension with the ruler and translate it to the P.C., that's exactly what comes out the printer.

First I cover the panel with very thin double sided tape. Then I lay the printed panel design on top. Finally, I cover it in adhesive book binding clear plastic.

It looks good and is very durable. The big plus is that if you make a mess of it you can print out another.

When I made the panel for the NC38S, I experimented with colour and then hawked it across the road to a neighbour who has a new colour printer. The results are very pleasing and I strongly suspect that Santa will be bringing me a colour printer this year. (If I drop enough hints!).

Kind Regards
Tony - G4WIF

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: duane <duane@flinet.com>

Subject: [15595] Parts Supply
Message-ID: <01BC3892.12292BC0@pm10-6.flinet.com>

I would like to gather information from all interested parties willing
To send me their list of parts supply houses , names , address, phone#
Types of items. I will compile this information and print them in one list.
Then send it to those interested in a complete listing. PLEASE PUT
PARTS SUPPLY in the subject heading. As I will be using a filter in my
Mail Program to group them for editing.

Thanks 72 / 73

Duane AB4BE QRP-L # 710
duane@flinet.com
ab4be@amsat.org
<http://www.flinet.com/~duane>

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: pmeier <pmeier@tir.com>
Subject: [15602] QRP Banquet Tickets Available!
Message-ID: <199703250240.VAA15698@tir.com>

Yes, tickets for the Dayton QRP Banquet held on Friday, May 16, 1997 are
still available. But don't wait too long to get yours. This year's event
is not to be missed! Not only will our meal offer a choice of Roast
Beef(carved on the buffet), Baked Lasagna or Spring Chicken but we have
a very special guest speaker. This year it is none other than Mr. MFJ,
Martin F. Jue, K5FLU. With special award presentations and door prizes
too, you just gotta be there!

So join us in celebrating our great hobby of QRP Amateur Radio and send
in your ticket request now with a SASE (self addressed, stamped envelope)
along with a \$15 check or money order payable to:

Pete Meier
4181 Rural
Waterford, MI 48329

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Kirby, John" <John_Kirby@ATK.COM>
Subject: [15632] QRP-TTF / RTTY ???
Message-ID: <c=US%a=_%p=ATK%l=ATK/MPLS/00001CAA@exchange_wv1.ATK.COM>

Anyone else going to try QRP or qrp RTTY this year during ..."T T F" ???

TU
72,3
John
N3AAZ

!! PLEASE !!
send the sarcastic criticism to my bit-bucket...
NOT to this NET >>> TNX agn...

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: wa5whn@juno.com (Jay D Miller)
Subject: [15626] QRPTTF, April 26, 1997 ;-) & Antennas & Political Humor
Message-ID: <19970325.085326.4447.0.wa5whn@juno.com>

Doug & QRP-Lers,

I would like to nominate the following sites as the "strangest" places, on the planet, to operate from, for QRPTTF, '97.

1. Washington, DC (obviously), especially around the 1600 Pennsylvania Ave. area. The correct question to ask is "What's the difference between the Motel 6 & the Lincoln room @ the White House ?" Price...
2. Boulder, Colorado (Hey, I had seen where "Mork" had landed, and we all know that what You see on TV is the truth <wink-wink>)
3. Berkeley, Calif. (And they had thought LSD was an accident out there.) Someone want to tell those People that the '60's are long gone ?
4. The entire State of Massachuetts (Thought I had forgotten You.) for electing Ted Kennedy to Office. I am reminded of a famous line, in the movie "Animal House", "You don't expect to go through life, drunk, disorderly & stupid ?" When I see ol' Ted on TV, he either mumbles his speeches, or I need to purchase a hearing aid.
5. Santa Fe, New Mexico (Same as Boulder & Berkeley, except they think that they are still the Capital of the SW. Spain had given them up a very long time ago. Smart move on Spain's part. I wonder if Spain would take Santa Fe back ??).
6. Manhattan area of NYC. Talk about "The Twilight Zone". What I had seen there, was not Human. ; -)

7. Hollyweird, Calif.. They had changed the name to Hollywood.

If You want to see where we will be, for QRPTTF, '97, try the following Web Page, towards the middle of the page;

<http://www.flash.net/~w5bi/> (Yes, it has been updated). A nice quiet place, out in the desert, where scorpions, rattlesnakes, & centipedes are Your' friends. A place over looking the 2nd debris field (1947 site, yes, there was more than one), near Corona, NM ;-) Would we lie ?

We won't just call "CQ", You will just hear it in Your' mind. (QRP ESP) ; -)

Any other suggestions for strange sites ? (This is all in jest, of course.)

As far as antennas, cheap & easy to build, 1/2 wave slopers would get my vote, for Field Use. I carry 2 in my back pack (20 & 40 meters). They are very easy to place on rock ledges, or in trees. If You drive in, wire beams, if You have the real estate & trees.

Did anyone notice, on Fox's "Cops" show, last night, (I was winding toroids) that the Miami, Florida City Police Department was using "Q" signals on the radio ? QSL & QTH ...

I am looking forward to April 26, 1997. Where will You be ?

72, ...Jay, WA5WHN (DM65qd) & it is snowing. SK

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: ukii@megsinet.net (ukii)
Subject: [15620] QRPTTF,my location...
Message-ID: <19970325144148448.AAA126@ns1.megsinet.net>

Hello Gang.

Well, seems the guys at Norcal must have had me in mind when then came up with this years theme,

>The theme for this year's contest is to operate from
>places where strange phenomena have occurred.

I dont have to go far,,,just to our bedroom!

Hope everyone can come out and have fun.

Best 73 de john

n9ukx

> if it doesnt have a sidetone <
-- or its not homebrew --
-- it must be a CB --

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997

From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>

Subject: [15635] S38 IF Filter

Message-ID: <M1360492.005.m0ji7.1.970325172842Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/

PRMD=MOT/ADMD=MOT/C=US/@MHS>

I have an idea for the IF filter in the S38, and I'd like to run it past anyone knowledgeable enough to give me some feedback.

I'm thinking back to the days of low frequency crystal filters, where the crystals were not only in series like our present ladder filters, but also in shunt to reduce signal on the reject side of the filter.

I'd like to find out if the 12 MHz crystals we use have sufficient Q that a shunt crystal at the audio image of the desired signal would work to short it out. For example, if the carrier frequency is 10.116, and my audio peak is at 10.115 for a 1 kHz tone, the audio image would be at 10.117. I'd like to see if a shunt crystal in the IF would be sufficient to short out, or at least significantly reduce, the image frequency.

It seems like this might be a simpler solution than building up an extensive brute force filter. I doubt we can get any great selectivity with these crystals at this frequency. For the simplicity of the circuit, I expect we will probably live with a scheme like the QRP PLUS, in which the IF just gets rid of the undesired sideband, and audio filtering provides the real selectivity.

Anyway, I'd appreciate any comment as to the feasibility of this approach. If it looks worth pursuing, I'd like to try modeling it in ARD, assuming someone can help me with modeling the crystals.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Brian K. Short KE7GH" <ke7gh@primenet.com> (by way of "Brian K. Short KE7GH" <ke7gh@primenet.com>)
Subject: [15592] Sierra Beginner?
Message-ID: <3.0.1.32.19970325013845.006f08e0@mailhost.primenet.com>

Perusal of the NA5N "Data Book" circuit analysis and the NorCal Sierra "Owner's Manual" result in following questions and comments:

- 1) Anything that should not be built per original manual?
(Have "Manual Corrections Rev. A")
- 2) What if KC1 becomes a LATER possibility?
- 3) Any benefit from added audio filtering?
- 4) Requested 93/94/95/96 QRPp back issues. Additional info there?
- 5) How is QSK?
- 6) Parts substitutions?
- 7) Planning to socket ICs, problems? Anybody socket transistors?
- 8) Manual/Schematic Errata?

Experiences...(before warming the soldering iron)?
Brian ke7gh@primenet.com >or< <http://www.primenet.com/~ke7gh>

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>
Subject: [15597] Sierra Builders Support Group
Message-ID: <3.0.1.32.19970325015719.006f63c4@mailhost.primenet.com>

At 05:29 PM 3/24/97 -0800, you wrote:
>I just received my Sierra today. I'm a bit overwhelmed! I haven't
>build a kit in over 15 years.

Soldering irons haven't changed in 15 years (at least mine, as it is the same Weller WTCP station...).

>Oh boy maybe I should have started with the NorCal 40A?

Ummm...well I did learn the fine points of torroid winding on a 38 Special...(with the help of some guys in a Phoenix cafeteria).

>Nervous in California,

Here are the beginnings of a Sierra Builders Support Group!

>Kory AC6RN

Hi, my name's Brian and I built a NorCal Sierra...

Brian Short 1994 E Laguna Dr Tempe, Az 85282 (602)839-3484 ke7gh@qsl.net

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [15619] Sierra original vs Wilderness Sierra
Message-ID: <01IGWVYUARYQ8WWR5I@tntech.edu>

Guys,

How many differences, how important and such have there been from
the original Norcal Sierra to the current Wilderness?

thanks

72

Jeff, ACHF

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [15641] SSB Rig From Dan's
Message-ID: <3.0.1.32.19970325110843.006ba54c@telis.org>

Guys, I just checked the web page for Dan's Small Parts and could not
believe what I was reading. Here is the info, and I think that this is
exciting news:

Dan's ~ "Small Parts"=20
Box 3634=20
Missoula, Montana 59806-3634=20

Phone or Fax 406 258 2782=20

Dan announces the
"Centennial 80 Meter SSB Transceiver"=20
by Paul Daulton K5WMS

Available April 15, 1997=20

Specifications:=20

=95 CW option available.=20

=95 Full 80 Meter band coverage=20

=95 5 to 8 Watts output=20

=95 Single Board construction=20

=95 Only 5 coils to wind=20

=95 Simple alignment procedure=20

=95 Frequency counter output for direct frequency readout=20

=95 Revolutionary detailed construction manual=20

=95 Pictorial guide to parts installation=20

=95 Kit includes board and all board mounted components plus the external 5K
audio and 5K 10 turn tuning pot.=20

Dan is offering this kit at the unheard of introductory price of \$69.95
plus \$4.00 shipping and handling for the kit.=20

Projected availability is just after April 15, 1997.=20

160, 40 and 20 Meter models are in development and should also be available
in the near future.=20

Is Paul Daulton a member of this list? Does anyone know him? Let's hear
more..... 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Swanson, Glenn, KB1GW" <gswanson@arrl.org>
Subject: [15636] Survey results: Which band? [long]
Message-ID: <m0w9a63-0004rCC@mgate.arrl.org>

Greetings,

The survey question was:

"If you could pick one band, and only one band, for your QRPing, which band would you choose? (Consider this a bit, and think about vacationing, sunspot cycle, and whatever, but choose just one band.)"

Thank you for your response! --KB1GW

- - - - -
- - -
Total votes received from QRP-L'ers = 109 votes.

The winner is: 40 meters (with 60 first-place votes)

1st runner up: 30 meters (with 18 first-place votes)

2nd runner up: 20 meters (with 14 first-place votes)

3rd runner up: 17 meters (with 5 first-place votes)

4th runner up: 15 meters (with 4 first-place votes)

- - - - -
Here's how the voting went--by call sign area--just for fun!

W1, #1 pick: 40 meters (with 6 first-place votes)

- - -
W1VT: 10 GHz

W1AAZ: 75M (SSB)

K1NIT: 40 meters

KB1NW: I'd choose 40m (20m is a *REAL* close second)

KA1CV: 40 meters

AA1BK: 30m

K1EPJ: 30 Meters

AA1MY: 30 meters

N1MVU: 40 meters

W1EAT: 20

KC1FB: 80M

WB1EDI: 30 meters

KB1GW: 40 meters (20M as second choice)

W1FMR: 40 M (CW)

W2, #1 pick: 40 meters (with 7 first-place votes)

- - -
WB2VUO: 40 Meters!

KA2ZGW: 40 Meters (2nd would be 30 M)

WB5GWB/2: 40 meters

W2GL: 40 meters (That's my vote!)

N2VPK: It has got to be 40M

K2JHU: 40 meters
KV2X: 15 meters
KA2PQY: 40 meters

W3, TIE: 20 meters & 40 meters (with 2 votes each)

- - -

N3VXI: 40M
WB3GCK: 30 meters
K3TKS: 40 Meters
K3HW: 20M
W6TOY/3: 20 meters

W4, #1 pick: 40 meters (with 6 first-place votes)
- - - (30 meters received 5 first-place votes)

WA4DOU: That's easy: 30 meters
KD4OBQ: 20mtrs
W2UX/4 (SC): 40 meters (Not ruined by lack of sunspots.)
N4EUK: 40M
N4JS: 40M
KR4RO: 40 meters
W4ED: 30 mtrs
WD4ET: 40M
K4NK: 30 mtr band
W4WYT: 20
W4STX: 17 meters
W4HFU: 40 meters
N4SO: 18 Mhz
K4GT: 30 meters
W4STX: 17 meters
AE4JM: 30 meters

W5, #1 pick: 40 meters (with 8 first-place votes)

- - -

W5TFB: That's easy, 30
K5FO: 40
W5FN: 40 Meters
AD4SS/5: 40m (living in Texas)
KK5RO: 40 meter
W5VB0: 30M as a first choice (followed by 40M).
K5ROV: 40 meters
K5VP: 40 meters
WA5CVM: 30 meters (no contest)
K5OI: 40m (It's the mainstay of my qrp operations.)
NX5W: 40 meters
WA5YFY: 20 meters

W6: #1 pick: 40 meters (with 10 first-place votes)

- - -

N6TZV: My vote is 40M

W6EMD: 20 meters

WA6PBY: 40M (But, I like 30M and 10M too.)

WA6GER: Forty Meters

N6VZ: 15

WV6U: 40m

WB6LMA: 40 meters

W6JHB: My vote is 40

K2VC0/6 (Fresno, CA): 40 meters.

NU6U: 20 Meters

AC6KW: 40 meters

K6LS: 40m

K6JI: 40M

W7, #1 pick: 40 meters (with 6 first-place votes)

- - -

W7RFM: (I pick 80 because it has less qrm in my area.)

N7KT: 40M

N7MR: 40M

KA7NOC: 40 METERS

KM7W: 20

W9UQB/7 (AZ): 20 meters

KG7PV: 40 meters

K6AEC (Las Vegas): My vote is for 40 meters.

K7TP: thirty meters

AB7MY: It's gotta be 40m!

W8, #1 pick: 40 meters (with 4 first-place votes)

- - -

K8DD: 40

N8CQA: 20 Meters

K8IQY: 17 Meters

AD8K: 30 meters (Tough choice: 40 falls very close behind).

W8KC: 40M (is the best single-choice QRP ham band)

K8CV: 40 meters

N8AYY: 40 meters (not a question in my mind)

W9, #1 pick: 40 meters (with 3 first-place votes)

- - -

N9UXU: 40m

NC90: 40 meters

KB9IUA: 40m

W0, #1 pick: 40 meters (with 5 first-place votes)

- - -

N0BS: 20M

WB0GAZ: 17M

AK0B: 30 meters

K0EVZ: 40 (second place would be for 30).

W0YOR: the 40 meter band

AE0Q (V31RY), Colorado: 20 meters

WB0CLD: I would pick 80 meters

KR0I: 40 meters

KQ0I: 30 meters

KE0MC: 40 meters (forever!)

K0FRP: 20m

KB0VCC: 40m ('least it's open during sunspot low's...)

KH7 (HI), #1 pick: 15 meters (with 1 first-place vote)

KH7BJ: 15 meters

AL7 (AK): no votes received

VE, #1 pick: 40 meters (with 3 first-place votes)

VE3SP: 40 meters

VE3JC: forty m for me!

VE5RC: 30 mtrs (I'm torn between 30 & 40...I'll pick 30)

VE7CTN: 40 meters (No question and no hesitation)

Other DX, #1 pick: 20 meters (with 2 first-place votes)

- - - - -

8P9BM: 20m

BV3CD: 20m

G0DJA: 6M

UA0SN: 15m (21MHz)

- - - - -
- - - - -

Soapbox:

- - - - -

FYI, last winter I build a 10W PEP SSB transceiver.
With a 102' inverted V and ladder line to a balanced L
network, I worked 52 countries over a 4 month period.
Some Europeans asked me to QRPP and they still

heard me with the final disconnected (antenna on driver at 250mW). I'm not a DX guy and typically made these contacts from 5PM to 10PM spending no more than 4 or 5 hours a week at it. Tons of great one hop contacts too (when the 100W guy was S9+20, they heard me just fine at S9+10). -- Ed, W1AAZ

Over a 30-year+ span, the 40 Meter band has been the most productive band I have ever used, and one of the fondest memories I have from my Novice days, as WN2VUO, was working a VK3 on split, me on 7155 kc (seeing that frequencies didn't 'Hertz' then...sorry) and he on 7003 Kc. This QSO was arraigned by my "Elmer", Les, W2OQY, later W2CM and now an SK... Les had a sked every morning, about 0900Z, into VK-land, and told me to listen, and he would have one of his buddies "Down Under" listen for me. It wasn't QRP as defined today, but I doubt if my Johnson Viking Adventurer put out over 15 watts. RX at my end was with a Hallicrafters SX-25 and the antler was a 400-ft end-fed wire, up 50 - 60 ft (sorta draped over the trees in my yard, and two neighbor's yards without their knowledge. (You do thing differently when you are 15, or maybe not...) If the Regulators suddenly said "One band, you pick", it definitely would be 40. --Keith, WB2VUO

While it [30 M] dies out here at night, it is less crowded-- great for camping. Second choice is 80. --K4NK

I can rarely recall a time when I could not make a contact on 40 meters... It is my home base and has been for most of my 35 years as a Ham. Been QRP all my life. :^) When the SPOTS return, then we have a whole new ball-game.. 10,15 & 20 will be a lot different. I might even dig around for something for 6 meters again. Funny, I was just thinking I started out on 6M AM/CW in '62. :^) --K3TKS

It has got to be 40M. I love QRP contesting and 40M is open night and day. -- Mark, N2VPK

My vote would go for 40 metres at this point in the sunspot cycle. A second place would be for 30, which has been open lately most of the day *and* night (though sporadically during darkness). Third place would be 20, which is improving with the longer days here. --Doc, K0EVZ

I'd choose 40m.... it supports CW and SSB to someplace 24 hours a day all year good or bad solar index; a decent antenna is manageable most anyplace (restricted zoning laws, vacation, horz or vert, etc.); other modes like SSTV and RTTY are active on the band; all HF privileged license classes have access to the band; its not such a high frequency that homebrew construction is

hard;

lots of kits available for the band; you can do DX and local contacts.
20m was a *REAL* close second choice... but its propagation stability is not
as good/nice as 40m is. -- Scott, KB1NW

You mean there are other bands besides 40 meters???? That's the only one
open night and day, and besides, its where all my rag-chewing buddies
are. And, its a QRP'ers dream. -- Jim, K5rov

My choice would be the 40 meter band. Propagation conditions
are better overall even with the rtty and foreign broadcasters. I would
like the frequency to be changed to say, 7050 KHz to avoid some of
these problems. -- Kenneth, W0YOR

I would pick 80 meters - It was the band I started with as a novice
back in 1970. It's prone to qrn, seasonal noise, etc., but it's a good
year-in-year-out band, regardless of solar activity. Although it's not
a real "dx" band, you can make contacts day or night (your distance
may vary!). -- 72/73, Bill, wb0cld

I have to cast my vote for 40 meters. It's a tough call when
you can only select a single band. Guess it was all those
years when I had more time at night than during the day.
Now that I'm retired, I may have reason to change my mind
but so far I still spend more time on 40 than any other band.
During the higher sunspot times, I would have a tough choice
between 10 and 40. Waiting to hear how the survey turns out.
-- 72/73 de Mac, KR0I

This survey has been done several times in the past and
I must agree with the general thought that 40M is the best
single-choice QRP ham band. -- 73, Paul, w8kc

I would vote for 40 meters overall.
Thanks for your survey. -- John, k2jhu

40M for the reason that it tends to be open somewhere more than
any other band and regardless of the sunspot cycle or time of day.
On the other hand, 15M is a favorite during most of the sunspot cycle,
but not at the present. -- 72, Frank, WB6LMA

20m (Living in Barbados on the sunspot upswing,
no other choice!) -- Alan, 8P9BM

Since you said we have to consider sunspot cycles, etc. -
I supposed I'd have to pick 40 meters. Its open day and night to
somewhere no matter what the sun is doing. It may be short hop
just in your own state during the summer daytime, but at least its

open. I like some of the other bands (30 especially so), but at 2 or 3 am local time, its a lonely place to call CQ!!! My vote is 40.

-- Jim, W6JHB

OK...I vote for 30 meters...less crowded, open a good part of the day, and good skip. You can also get by with a smaller antenna than 40, so it's not difficult to set up. -- 72/73, Mark, KQ0I

I would have to say 17 meters has been my favorite band for operating QRP while on vacation. -- 73, Bill, W4STX

You also need to consider how YOU are going to operate. If your primary operating is in the daytime, 20 meters would be the band, IMHO, offering worldwide DX over a good part of the day and sunspot cycle, combined with plenty of activity. If, however, you run around with the family all day doing vacation things, and operate mostly at night, 40 meters might be a better choice because much of the time, 20 will be deader than a doornail.

30 meters might be a good all-around compromise, but that assumes that you want to operate only CW. I also suspect that there will be more opportunity for contacts on 20 or 40 meters, just because 30 is less used. OTOH, there would be a bit less QRM most of the time, so again, it depends on what you want to do. 72/73 -- Ed, KA1CV

As it was stated, it was clear that all of the factors mentioned [above] should be considered by the participants in the survey. I still go for 40 Meters, even allowing for Mode, operating time, etc. In fact, I still go for 40 Meters BECAUSE of all of the above. 6 Meters may be the "Magic Band" in some circles, but 40 Meters is the 'Supernatural band' because anything can & will happen there... :-) Good points, but much simpler as first stated IMHO. -- 72/73, Keith, WB2VUO

My one band would be... 30 meters. Reason, best compromise between twenty and forty and I like cw especially at qrp levels. 0 - 5 watts. otoh...

years earlier it would have been twenty for a few years it would have been 15 and if I had the room I think 160 would be fun BUT TO ANSWER YOUR QUESTION, THIRTY METERS :-) God Bless -- Joel, WA5CVM

I've always maintained that, if I had to pick one band to operate from now until the big switch is thrown it would be 40-meters. The WARC bands, especially 30-meters has made me wonder about that choice, but I think I'll stick with 40-meters. You can almost always rustle up someone to talk to there. -- Frank, W4HFU

When the sunspots are high, it would have to be 15m. Without sunspots, 30m. So overall, come sunspots or not, make my vote for 30m. -- 72 de Steve, AA1BK

- - - - -
Hard choice. I would have to pick 40M. Good early AM and
Late PM leaving middle of the day for family things and vacation
time. Good DX band in late PM when Kids are asleep.
Lots of QRPer's on this band. -- 73 de Jeff, AC6KW
- - - - -

30 meters: * No Contests; * Ants. of manageable dimensions for
highth & gain; * Not highly populated; * Good DX much of the day.
-- "Seab," AA1MY
- - - - -

A difficult question indeed. After due consideration,
thirty meters wins my vote. -- Grover, K7TP
- - - - -

My vote is for 30 meters. I seem to have more fun on the WARC
bands than on any other frequencies. 30 seems to be a good
compromise between the low frequency bands 160-40 and
the HF 20-10. Good DX results without running much power.
I also agree with all the positive comments everyone else
has said about 30M! -- Jim, K4GT
- - - - -

I would choose 40 meters, It's always been the best for
ragchewing and I can still catch some DX if I want. But
30 meters is a very close second. -- Skip, NC90
- - - - -

I would have to say 17 meters has been my favorite band
for operating QRP while on vacation. -- 73, Bill, W4STX
- - - - -

I think I have to pick 40 meters. Actually, 15 meters is my
favorite band, but I wouldn't get any operating in the low
parts of the solar cycle or late at night. So, there it is!
-- Dennis, NX5W
- - - - -

20m, best stateside and dx. Good size for antenna.
-- AL, K0FRP
- - - - -

40 meters... plenty of activity, various propagation
modes available. -- Michael, ka2pqy
- - - - -

My vote for best qrp band is 30 meters, very little interference,
low power band , cw/rtty only, under used so not crowded.
Very fun band. -- 73, Barry, wb1edi
- - - - -

Hi, I choose 40 M CW as the worlds greatest QRP band.
-- 72/73, Jim, W1FMR
- - - - -

I would still vote for 40m at this time, despite its problems.
Second would now be 30m. -- Regards, Kevin, KB9IUA
BTW: I read the QRP-L by digest. Depending upon when sent,

messages can be almost 36 hours old when I read them in the morning. Just a consideration. I apparently did not see your first post, but caught your "last call" Tuesday AM in the Sunday night, Monday day digest.

KB1GW: I posted my first "survey" message Friday (after work) on 21 MAR. My "last call" went out on Tuesday AM 24 MAR. The results were posted at lunchtime on 25 MAR. That gave folks roughly 3 1/2 days to respond--digest readers a bit less. As the votes had declined to a trickle, it was time to end the survey. My sincere apologies if your vote is not reflected herein.

Note: To keep it simple: If you're a "W7," but happen to live in "W1 land," for example, but did * not * indicate that with a "/1," then I stuck you under the W7's, (or whatever) because it was easier that way.

Summary:

Number of votes received--by call sign area:

W1=14; W2=8; W3=5; W4=16; W5=12; W6=13; W7=10; W8=7; W9=3; W0=12;
VE=4; KH7=1; Other DX=4 (8P, BV, G, UA). Looks like there are QRP-L hotbeds

of activity (judging by the number of votes received from this survey, anyway).

US breakdown:

#1: W4 (16 voters)
#2: W1 (14 voters)
#3: W6 (13 voters)
#4: Tie: W5 and W0 (12 voters each)
#5: W7 (10 voters)
#6: W2 (8 voters)
#7: W8 (7 voters)
#8: W3 (5 voters)
#9: W9 (3 voters)
Honorable mention: VE3 (2 voters)

Well, 40's the QRP (or "low power") band to be on, it looks like. Although the other bands are certainly well represented. It's a personal decision in any event--based on many different needs and feelings, as represented in the "soapbox" section above. Bottom line: Amateur Radio is special, on that we can all agree!

Hope you enjoyed reading this survey as much as I did putting

this together. Thanks to the sponsors of QRP-L for the bandwidth,
and to my YL, Lynn, for tolerating my passion with Amateur Radio.

The log above has not been dupe-checked. ;-)

Sincere 73,
Glenn Swanson, KB1GW
Avon, Connecticut
kb1gw-home@juno.com

-- eof --

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bill Todd <bill@techline.com>
Subject: [15606] Tektronix Type 551 O'Scope
Message-ID: <1.5.4.32.19970325042758.006a9598@mail.techline.com>

Hello group -

Does anyone on the list have a copy of the Tektronix Type 551 scope manual?

My new re-built scope has a type 533A-543A manual that came with it...so it
is usefull, but I sure would like the 551 manual if anyone on the list has
a copy.

Thanks - Bill-N7MFB

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Brian K. Short KE7GH" <ke7gh@primenet.com>
Subject: [15638] Tuner Pic on WWW
Message-ID: <3.0.1.32.19970325180106.006e52cc@mailhost.primenet.com>

The LDG QRP AutoTuner is currently under construction, but
I do these things slooowwww: <http://www.qsl.net/ke7gh/qrp.htm>
So far, the 1k 1/8w resistors (R1-17,20,30) are installed.
More (better) pics to follow...

Brian Short 1994 E Laguna Dr Tempe, Az 85282 (602)839-3484 ke7gh@qsl.net

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997

From: timcook@erinet.com
Subject: [15646] W5TFB
Message-ID: <33383912.19DA@erinet.com>

Thanks to all who responded with Jacks email address, even Jack himself!! :)
Tim
NZ8J

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: timcook@erinet.com
Subject: [15582] W5TFB?
Message-ID: <3337191C.5587@erinet.com>

Would like to get Jack, W5TFB, email address if anyone knows it.
Thanks
Tim
NZ8J

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [15604] W6JHB CQCQ SRI! JIM
Message-ID: <333750D2.5BA7@concentric.net>

Sri for the bandwidth all

Jim,

Sri but I heard you calling me but you did not hear me after the QSY from 7040 to 7050. The RTTY QRM on 040 was killing me here. I swear that the QRM was deliberate. One of these days I will flip on the RTTY interface and find out who is doing it if they sign. I am real sri that I lost you and hope that we can hook up again. I would love to hear about your 38S. I know that you said that you heard me on 30 meters at one point I guess tonite. I really hope that we can hook up again and that the RTTYr that is QRMing the 040 freq will blow a final! At least if he is QRP after blowing it we can fight back hi!

Best 72/73
Jess NOTFI

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997

From: Bill Jones <kd7s@psnw.com>
Subject: [15631] Way to go Marty
Message-ID: <33380101.40BB@psnw.com>

HIMES@idic11.idi.oclc.org wrote:

>
> I've cured my 38Special's 12 mhz heterodyne, but it's somewhat involved.
>
> It changes the IF to 9.216 mhz. The local oscillator and the product
> detector oscillator change to 16.257 mhz. No more 12 mhz heterodyne!
>
> An unfortunate side effect is that the receive frequency changes to
> 7.040 mhz! Damn, how did THAT happen? I guess it's back to the bench
> to get it back on frequency!
>
Marty,

Very clever fix for that 12 MHz i.f. problem. Of course now you know
you're committed to showing the rest of us how to do the same thing.
And I'm sure Doug and Jim just called Mouser for a new set of parts.
Man, you really know how to keep us on our toes. Now, let's see
what am I going to do with my second (unbuilt) 38 Special kit? H-m-m-m

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Jeff M. Gold" <JMG@tntech.edu>
Subject: [15644] wilderness sierras
Message-ID: <01IGX6WARWUQ8WWR5I@tntech.edu>

HI,

anyone know the answer to this:

>The basic Sierra kit is \$215, plus shipping (\$7 U.S., \$12
>Canada/Mexico, \$20 DX).
>Package prices are as follows:
>
> \$245 with 1 band module
>
> \$269 with 2 band modules

Does this then mean the basic kit for \$215 does not come with any
band modules at all?

thanks

Jeff

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [15643] Yet Another 38S Slowly Comes Alive
Message-ID: <M1361021.006.m6jv5.1.970325193823Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Finished assembly of the board over the weekend, then tacked all the external connections, pots, etc on Monday eve.

Applied power Monday eve and HEARD A SIGNAL! Ok, now I know the receiver section at least can pass a signal from one end to the other. TC1 only has one peak, however, so like most everyone else I took off one turn. Tonight I'll see if that was enough to reach resonance.

Using my xtal calibrator on the 10 kHz output, I can hear three pips, so it covers at least 20 kHz, but uncalibrated so far. Need to add the external resistor to the tuning pot to spread out tuning a bit.

Once receiver is working cleanly, will try the TX.

Oh, well. Slowly, slowly catchee monkey.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bill Myers <bjmyers@arc.net>
Subject: [15589] Re: 1997 Amateur Radio Almanac
Message-ID: <1.5.4.16.19970324190031.109fe174@mail.arc.net>

At 07:02 AM 3/24/97 -0700, John A. Evans - N3Q00 wrote:
>> WNU41 is a commercial Sitor station located in New Orleans. It is a
>> marine coastal station.
>>
>>
>> Ken Brown, N4SO
>
>Thanks Ken et al for the bit of education on commercial station calls. No
>one commented on the Almanac's typo, however!! &^)
>
>thx es 72 de n3qoo
>john

Actually John, there is no typo, the almanac is correct. WNU is between

WAA and WZZ. All commercial stations, as well as ham, start with W, N, or K for the USA.

Most broadcast stations (radio and tv) have 4 letters (like KNBC, WTBS, WWOR) and there are a few with 3 letters (like WOR and WLS). Many public service stations (cops, fire, ems) have three letters and 4 numbers (kinda like the old CB callsigns). A lot of the cw beacon stations are three letters and 2 numbers.

Somewhere around here I have a listing of the callsign setup for the US. If I should find it someday soon, I'll get it posted to my homepage. Maybe the FCC homepage has it.

72/73

--

Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42
CQC#386 NE#508 AK/QRP#081
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bjmyers@arc.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>
Subject: [15599] Re: 1997 Amateur Radio Almanac
Message-ID: <199703250213.VAA82026@nss2.CC.Lehigh.EDU>

> Actually John, there is no typo, the almanac is correct. WNU is between
> WAA and WZZ. All commercial stations, as well as ham, start with W, N, or K
> for the USA.
> --
> Bill Myers KK4KF Grid - EM60rk

Bill et al,

Boy, you guys are a tough audience. I got a few posts giving me the hard facts but most folks must have received a haircut because no one who replied checked the spelling of the Untied States of America. Humor, as well as communication via email is truly tough.

72 de n3qoo - john

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bill Myers <bjmyers@arc.net>
Subject: [15601] Re: 1997 Amateur Radio Almanac
Message-ID: <1.5.4.16.19970324202718.149f53ca@mail.arc.net>

At 07:17 PM 3/24/97 MST, John A. Evans - N3Q00 wrote:
>> Actually John, there is no typo, the almanac is correct. WNU is between
>> WAA and WZZ. All commercial stations, as well as ham, start with W, N, or K
>> for the USA.
>> --
>> Bill Myers KK4KF Grid - EM60rk
>
>Bill et al,
>
> Boy, you guys are a tough audience. I got a few posts giving me the hard
> facts but most folks must have received a haircut because no one who
> replied checked the spelling of the Untied States of America. Humor, as
> well as communication via email is truly tough.

Okay John, you got me there. After all, I'm a HAM, not an english
teacher. Which is gud, cause I cain't spell worth a dern...

72/73

Bill KK4KF

P. S. I know folks, I forgot to mention the A callsigns available in the USA...

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: NilsBull@aol.com
Subject: [15658] Re: 30 M "intruders" (Not QRP)
Message-ID: <970325181200_-1069059753@emout15.mail.aol.com>

There are lots of those "intruder" things going on all the time and not much fuss made about it. At least not much fuss that I catch wind of.

There is a spot around 3580 or so that provides practice in Scandinavian languages. I've heard Danish fish boats on there any number of evenings. They're usually USB to the LSB commonly found there. Having been in the North Atlantic, I know that talking on the radio would be the last thing on my mind. In addition, many of the stations that seem to be "intruders" are there 'cause where the station is located, it's legal to be there. Thus the many SWBCST stations kicking around between (I think) 3.8-4.0. Great propagation predictors.

There used to be a bunch of Cubans and some guys from Mexico that hung out on 40 meters in the evenings. I bet they're still there. I gave up on 40m for serious when I had to give up on a serious antenna. But I've heard those guys a lot of times. There's a guy in Cuba who drives a truck with plantains to some other place on the island every so often. And the guy in Mexico is a Selena fan, although the Cuban guys don't know about her. And the guy in Santo Domingo (Republica Dominicana) likes to joke with the Cubans about stuff. One evening during the Mexican election, one of the Cuban guys asked a couple Mexicans on the frequency if they'd voted. The answer was classic: "No. They're all the same bag. My vote won't mean anything." (The expression "All the same bag" is actually "la misma vaina," Get a Spanish dictionary and look up "vaina." Such language on the air!) I never could tell if any of the guys were hams.

And, he said, reaching for closure, about 10 years ago or more there was a lot of activity around 14370-14400. These guys would be on with gringo accents, talking about shipments and planes and cargo shortages +c. Pretty obvious they were "saving the bales," so to speak. I got on there one time and asked 'em if this was the dope runnin' net 'cause I wanted to get a bale dropped off for me. Silence reigned supreme in their response. Probably CIA operatives or friends of Ollie North (or Noriega). Couldn't take a joke.

Es que si la misma vaina pues: ?Entre el diablo y un rebelde, quien va a saber la diferencia? Y ahora, che, ?donde esta la hierba prometida?

73

Nils

WB8IJN +c

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997

From: Ken Lopez <kjlopez@earthlink.net>

Subject: [15585] Re: 30 M - Propagation, modes, + intruders (Not QRP)

Message-ID: <333721CB.7B85@earthlink.net>

I once heard fishing boats on 40M that were about 100Mi south of the Hawaiian Islands. A ham station broke in and told them they were in the middle of the Ham band and they were surprized. They promptly and politely vacated the freq. once they knew they were being listend to in Southern Calif.

I think this type of behavior is common. I also know that Many of the salmon boats in Alaska, as do boats around Seattle, use 2M handi's for communication. Much of this is done to AVOID the usual maritime bands where competitive ears might be listening. The FCC was cracking down on this two years ago. I do not know the current status.

Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [15584] Re: 38s - Hetrodyne always there
Message-ID: <3.0.1.16.19970324193404.295f178a@mail49.mci2000.com>

At 01:01 PM 3/24/97 -0800, kd7s wrote:

>Tim H. Ahrens wrote:

>>

>

>> In the receive mode, I'm hearing a constant
>> hetrodyne. I first thought it was some type of
>> foreign broadcast, but it's still there without
>> an antenna! duhh! The 38s receiver seems to be
>> hearing the 12mHz oscillator, because the freq
>> of the hetrodyne changes if I touch stuff around
>> it. BTW, it's not really loud, just enough to
>> bug you,,, kinda like a mosquito!

>

>>I've been hearing the same thing so I tuned my Icom IC-728 to 12.000 mHz
>and heard a very strong carrier (with the 38 Special turned off, of
>course) so I assumed it was just another source of r.f.i. getting into
>the 38 Special i.f. It comes and goes depending upon propagation. When
>it's strong, the band is open. Now I'm going to have to check it out
>with the antenna disconnected from the 38S. Does anybody else hear a
>very strong carrier on 12.0 mHz?

>

Oh indeed! One of the shortcomings of the 38S is that the i.f. is near the receive frequency. There is a very strong 12 MHz broadcast station that comes on the air at 5:30 local time and stays on until 8:30 local time. I can often hear it, very loudly. That's why I

suggested tightening up the front end tuning a bit. While that helps, the rig would need a multi-pole front end filter to completely eliminate that source of interference. Look at the bright side, an automatic "band is open" indicator is already built in!! :-)

72....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com		__o Cascade 17/40 SSB
Fenton, MI		_`\<, Mizuho 17/40 SSB
...	..	 (*)/(*)

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: =?ISO-2022-JP?B?GyRCQ2ZFZxsoSg==?= =?ISO-2022-JP?B?GyRCPWEwbBsoSg==?= <nakaji@crl.go.jp>
Subject: [15587] Re: 38s - Hetrodyne always there
Message-ID: <199703250055.JAA06354@apollo.crl.go.jp>

Hi This is JL1KRA

kd7s> > In the receive mode, I'm hearing a constant
kd7s> > hetrodyne. I first thought it was some type of
kd7s> > foreign broadcast, but it's still there without
kd7s> > an antenna! duhh! The 38s receiver seems to be
kd7s> > hearing the 12mHz oscillator, because the freq
kd7s> > of the hetrodyne changes if I touch stuff around
kd7s> > it. BTW, it's not really loud, just enough to
kd7s> > bug you,,, kinda like a mosquito!
kd7s>
kd7s> I've been hearing the same thing so I tuned my Icom IC-728 to 12.000 mHz
kd7s> and heard a very strong carrier (with the 38 Special turned off, of
kd7s> course) so I assumed it was just another source of r.f.i. getting into
kd7s> the 38 Special i.f. It comes and goes depending upon propagation. When
kd7s> it's strong, the band is open. Now I'm going to have to check it out
kd7s> with the antenna disconnected from the 38S. Does anybody else hear a
kd7s> very strong carrier on 12.0 mHz?

I completed my NorCal38S last weekend with correct crystal which
Doug send me very quickly. When there is strong 12.000MHz broadcast station,
my NC38S has IF through reception too. But it is not serious.
It works very fine.

Rather serious issue is tuning range. My NC38S is able to tune 10100-10124
without RIT mod. I can hear many DX station around 10105 but they were

unreachable with 100mW. IRF510 is not popular FET here and I could not find even in AKIHABARA, the huge electric town in Tokyo.

Thus I would like to join Japanese domestic QSOs they carry out between 10130-10140 due to strong RTTY station around 10120. But they are completely out of my NC38S range. I will try tune my VXO frequency but reach 10140 may be impossible. Fundamental crystal 22118.4 + 20Kz is very expensive if they are custom ordered.

I think Ori's smart combination of an economic 22118.4 mass production crystal and a 12MHz IF are may be origin of NC38S.
I just started subscribe the QRP-L. If similar article exist sorry for this.

Thanks to all NorCal people and especially Doug Hendricks distributing all parts.

Junichi Nakajima
nakaji@crl.go.jp

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Jim Kortge, K8IQY" <jokortge@mci2000.com>
Subject: [15580] Re: 38s dxcc
Message-ID: <3.0.1.16.19970324185812.295f1fe8@mail49.mci2000.com>

At 11:09 PM 3/23/97 -0500, Rich Dailey - KA80KH wrote:

>Anyone keeping score?

>

>KD7S - 13

K8IQY at 13 also! :-)

>?

>?

72....Jim

Jim Kortge, K8IQY (ex NU8N)		BMHA, NorCal, QRP-L
jokortge@tir.com		__o Cascade 17/40 SSB
Fenton, MI		_`\<, Mizuho 17/40 SSB
...	..	 (*)/(*)

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Rick Hadley" <r.hadley@www.mebbs.com>
Subject: [15581] Re: 38s dxcc

Message-ID: <3.0.1.32.19970324181703.0067d79c@www.mebbs.com>

At 06:58 PM 3/24/97 -0500, you wrote:

>At 11:09 PM 3/23/97 -0500, Rich Dailey - KA8OKH wrote:

>>Anyone keeping score?

>>

>>KD7S - 13

>

>K8IQY at 13 also! :-)

>

W0FG's just at 5, but that's in just 3 days with the new 38S. Just snagged JW5HE on Bear Island in the middle of a pileup. Got a 529, but I'll take'em any way I can get'em!
30's in great shape this evening!

Rick Hadley, W0FG
Life Member ARRL
QRP-L #1019
r.hadley@www.mebbs.com

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: PDouglas12@aol.com
Subject: [15624] Re: 38S output, part 2
Message-ID: <970325103208_1615129689@emout09.mail.aol.com>

On the falling output problem:

What are you using for a heat sink? This kind of problem may be heat related, and if it is, you might be damaging your '510. Best to sink that output transistor -- with a mica spacer, nylon screw and heat goo (Radio Shack sells this gooey silicone heat transfer paste) on either side of the mica spacer-- to the back of the case. Radio Shack also sells the mica spacer (you need the one for the T0 220 style transistor) but it comes with a metal screw and a shoulder washer to insulate it. That metal screw/shoulder arrangement will work, but you must be certain not to short the transistor to the case. I find it is easier to have a nylon screw on hand, so I throw away the metal one from the RS kit. That should do it.

Preston WJ2V

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: PDouglas12@aol.com
Subject: [15639] Re: 38S output, part 2

Message-ID: <970325131125_1551895013@emout14.mail.aol.com>

In a message dated 97-03-25 10:53:17 EST, you write:

<< On the falling output problem:

>What are you using for a heat sink?

I have it well heat sinked. The pwr output drops after the rig runs receive only for a few minutes - even if I never transmit after turning it on! Chuck has me looking at heating of the xtal - early tests show that I can lower the output with a hot hair dryer and bring it back up again with a cooling fan. I sorta ruled out the PA heating since I can also bring the pwr back up immediately by just cycling the rig pwr. >>

OK, then I like the Voltage regulator as the next prospect. These things often have internal heat protection that folds them back. I think Ori's original notes suggest a sink if needed, if the VR runs warm. Yours may be a mite more sensitive than most. They are cheap enough to consider the garage mechanic's method of trouble shooting: Change the part, and if that cures the problem, then that was it!

72,

Preston WJ2V

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997

From: LDG Electronics <ldg@Radix.Net>

Subject: Re: AT-11 tuner

AE0Q wrote:

> Wasn't there mention of using latching relays to lower the static power
>consumption? I'm sure I read about it someplace on e-mail (maybe QRP-L
>list), but now I can't find any reference to them. I seem to recall that
>they were more expensive, and I don't see any options for tht on the LDG
>web site..

Yes, we were planning to use latching relays on the qrp version, but the cost was so high (over \$200 for the kit) that we decided to go with the non-latching type. We also ran out of I/O on the processor and would have had to add more support chips, which meant a larger PC board.

As of right now, we don't have any plans to pursue the latching type tuner.

Dwayne Kincaid

WD8OYG

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Roger Hightower <n7kt@dancris.com>
Subject: [15657] Re: DXCC/QRP!
Message-ID: <333857DC.57CB@dancris.com>

Congratulations!

That's mighty fine work for 14 months or so at this point in the cycle.

--

72/73 de Roger N7KT Mesa, AZ Grid DM43cj
NorCal 40-9er, NC38S, NC-40A, Cascade, OHR Explorer 20, 30M, OHR400,
HW-9
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "KA5T Larry Wise" <lewise@inetport.com>
Subject: [15583] Re: FET Data
Message-ID: <199703250030.SAA19005@admin.inetport.com>

Well something's awry here Paul and gang...

That data sheet shows the N1 as a T0-3 type
case and the N5 as a T0220 case...

and look at that PD max of 45 watts!!!!

Well these that I have are in a T05 type cases
and, I notice as I look at them again that they
are marked:

SIVN
1106N2
9334

like that on the top of the case....

My conclusion is that they are Siliconix due to the SIVN, but maybe I'm off base...

Then too maybe they were mismarked????
Finding them in Austin, I would doubt that, but it was at a surplus place that I found them....

Time to get out the smoking tools and test them I guess....

Larry
KA5T lewise@inetport.com

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Sandy W5TVW <ebjr@worldnet.att.net>
Subject: [15663] Re: Ham bands/Marine
Message-ID: <19970325231810.AAA19694@LOCALNAME>

At 05:21 PM 3/25/97 +0000, you wrote:

>
>Lots of boat owners purchase HAM rigs from dealers who are all to
>happy to whip in the mod to allow them to transmit on Marine
>frequencies. They are cheaper than the type accepted Marine stuff and
>better rigs. Marine rigs are designed to be idiot proof, very simple
>and primitive compared to HAM rigs. It is only natural that they
>end up transmitting on HAM frequencies sometimes.
>

The use of "amateur" transceivers on Marine bands is not legal. The equipment

must be type approved under the applicable FCC part.

I have a list of the SSB simplex/duplex channels if anyone want's them or I can post them here if there is enough interest.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: 860 tubes, WL-460 tubes, RK-18,20,28 tubes

Butternut HF2V antenna, G-R test gear.....

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: John Marshall <johnmars@mindspring.com>
Subject: [15650] Re: info needed
Message-ID: <103020900af5df457ba56@[207.69.166.12]>

Tom WB5QYT wrote:

>I bought a gdo at a hamfest last summer and am in need of the coils for
>it. The problem is, I have no idea what make and model it is. It has no
>identifying info on the unit, so I will just have to describe it. The gdo
>has two sections, the main unit which is fairly large in size and has a
>large Weston 200ua meter on the front. The control head is 4 inches in
>dia. and has freq. coverage from 2.2mhz to 400 mhz.

Sounds like a Measurements Corp. Model 59 Megacycle Meter. (It will measure
Megahertz, too, if you know the conversion factor :-)

I got one of these guys a few years back at a flea market, also without
coils, so I can't help other than to identify what it is. At the time I was
delighted to have a dipper that would work well at VHF, so I made some
hairpin "coils" for the upper ranges. Now I'm more interested in the low
bands but I never took the time to wind the larger coils! It's a dandy GDO,
and probably 40-50 years old.

Email me privately, Tom, if you need a schematic or info on using this thing.

John, KU4AF, ex-WA1UPB
Pittsboro, NC

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [15652] Re: Micrometals Phone Number
Message-ID: <Pine.A41.3.95b.970325142850.51482C-100000@homer24.u.washington.edu>

Micrometals: (714) 630-7420 Amidon: (714) 850-4660
FAX: (714) 630-4562

Enjoy!
Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

On Tue, 25 Mar 1997, Doug Hendricks wrote:

> Does anyone have the phone number for Micrometals in LA? I need it.
> Thanks. 72, Doug, KI6DS
>
>
>

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bill Vodall <bvodall@hyperlynx.com>
Subject: [15659] Re: More Stuff on Board
Message-ID: <3.0.32.19970325153935.00a057a0@mail.nwlink.com>

At 11:03 PM 3/25/97 +0000, Brian K. Short KE7GH wrote:
>More work completed on the LDG QRP AutoTuner:
><http://www.qsl.net/ke7gh/qrp.htm>
>
>

I got to experience the big brother to the AutoTuner while
helping out at the Nomadic Research Lab. A pretty cool
machine.

Only problem with the QRP one is the current it pulls.. Not
much - but still significant in some situations. Anybody
know if the relays are self latching or do they require
continuous power...

Bill

>

73 de WA7NWP BMHA QRP-L#828
Bill Vodall
bvodall@hyperlynx.com
<<http://members.aol.com/vodall>> (Check out the Dancing Goat...)
<<http://www.hyperlynx.com>>

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Kory Hamzeh <kory@avatar.com>
Subject: [15661] Re: More Stuff on Board
Message-ID: <Pine.BSI.3.91.970325154730.21520C-1000000@avatar.avatar.com>

On Tue, 25 Mar 1997, Bill Vodall wrote:

>
> Only problem with the QRP one is the current it pulls.. Not
> much - but still significant in some situations. Anybody
> know if the relays are self latching or do they require
> continuous power...
>

The relays are not self latching. Self latching relays would have costed at \$4 more for each relay, and the QRP has 17 of them. It would have increased the cost by \$68. Too bad the self latching relays are not plug compatible, because I would have paid the extra amount to reduce the power.

Hey Dwayne, how about a special version with self latching relays?

If you make it, they will come ...

Kory
AC6RN

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "John A. Evans - N3Q00" <jaevans@cos.cst.titan.com>
Subject: [15625] Re: North Dakota QRP Skedule
Message-ID: <199703251543.KAA30159@nss2.CC.Lehigh.EDU>

> Well, thanks for the mail about last nights sked. 7.112 was a MESS, =
and=20
> I got stomped on more times than I care to count. I'll try again=20
> tonight (Tuesday), but I'm going down to 7.040 to try my luck. =20

I agree - I was able to hear a QSO between a lady in Littleton, CO and a gentlemen in Mentor, OH near .112 - got to really try out the T-T CW = filter
on the 515. I did hear a few calls TO KG0WE, but no QSO. I listened = around=20
040 to no avail. Anyway, Brent, listen for me. If I don't get Rhode = Island=20
this evening, maybe I can get West Fargo.

72 de n3qoo - john

John A. Evans Chief System Administrator
Office: (719) 528-1800 x164 Titan Client/Server Technologies
Fax: (719) 528-1275 1115 Elkton Dr, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bob Hightower <ki7mn@dancris.com>
Subject: [15627] Re: North Dakota QRP Skedule
Message-ID: <199703251545.IAA00148@dancris.com>

At 09:30 AM 3/25/97 -0600, you wrote:

>Hi all....

>

>Well, thanks for the mail about last nights sked. 7.112 was a MESS, and

>I got stomped on more times than I care to count. I'll try again

>tonight (Tuesday), but I'm going down to 7.040 to try my luck.

>

>I only had one contact last night, and it got pounded in the middle. So,

>K5ID, if you're out there, I hope you got my exchange. :)

>

>

I could faintly hear you in there, and could get most of your call, then you went away. A K8 station was on 7.112.5 or so, and he was a bit stronger. Heard K5ID, but couldn't keep him up long enough to hear who he was calling.

Odd, but the vertical worked best due to local qrm that really hit the inverted vee....a steady buzz. Guess I'd better invest in some buzz-nots :^).

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-l #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: "Marshall Emm" <mgemm@mtechnologies.com>
Subject: [15609] Re: panel art
Message-ID: <199703250512.WAA21160@lynx.csn.net>

--What is the graphics program?--

At the moment I'm using the "cut down" version of DrawPerfect that comes with WordPerfect Suite 7. I've also used a thing called Accudraw (for earlier versions of WordPerfect).

73

Marshall Emm

AA0XI/VK5FN

aa0xi@mtechnologies.com

<http://www.mtechnologies.com/mthome>

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997

From: Brian Cieslak <brianc@ams-i.com>

Subject: [15615] Re:Panel Labels

Message-ID: <c=US%a=_%p=Adaptive_Micro_S%l=AMS-I_SERVER_1-970325134433Z-542@ams-i-server-1.ams-i.com>

One my other hobbies is Rocketery..One of the fellows I know designs a lot of his own rockets and he was telling me that you can buy blank decal stock from the hobby store. He designs the decals with his computer and prints his own custom decals with a laser printer.(so I guess you could use a copier too)

He cuts them out soaks in water and sticks em on.

Brian AE9K

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997

From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>

Subject: [15642] Re: Panel labels

Message-ID: <M1361020.005.m6jv4.1.970325193823Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Marty (and others):

One point I forgot to make about printing front panels labels on transparency sheets with a laser printer is that some printing routines allow a mirror image. This allows you to print on what becomes the back side of the transparency, and now the toner is protected by the transparency.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Dana E Hager <dehager@ix.netcom.com>
Subject: [15593] Re: Panel labels - clear paint finish
Message-ID: <33375499.1A73@ix.netcom.com>

> I might see if the labels and ink would hold up under
> a coat of clear paint. I tried clear nail polish on dry lettering
> (the rub-on variety). This does not work -- the nail polish eats
> those letters alive.
>
> Nice part is that a little remover cleans it *all* right up!

I have had great success with dry-rub transfers and Avery labels after clear coating them with a product called "Krylon" matte finish No. 1311. It can be found at just about any arts and crafts store (AC Moore) for around five dollars. The trick is to put on a few light (almost dry) coats so that the solvent doesn't soak in and make the transfers bubble or the ink run. I have used this method for panels, keyboards, and aircraft instruments.

This is my first post to the list. Hope this is of some use.

Dana E. Hager
Nazareth, PA

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Bill Myers <bjmyers@arc.net>
Subject: [15590] Re: QRP TO THE FIELD
Message-ID: <1.5.4.16.19970324190038.141761d6@mail.arc.net>

At 09:38 AM 3/24/97 -0800, Doug Hendricks wrote:
>Guys, don't forget April 26th is the date for the QRP To The Field contest
>sponsored by NorCal, with Bob Farnworth, WU7Y as contest chairman. The
>theme for this year's contest is to operate from places where strange
>phenomena have occurred.
>We will be using Vern Wright modified St. Louis Verticals and
>possible dipoles, if we can find supports. Hope to work you on QTTF 97.
>Do any of the rest of you have plans for a unique site that goes with the
>theme? Let us know.

Doug and the group,

I also plan to use a Vern Wright modified SLV if I get the coil in time (I just sent the check to him today). If not, I'll fly a kite and/or use my slightly modified original SLV.

I plan to go to Gulf Breeze and sit at the picnic table where all the UFO sightings have been made from. Hopefully, I'll also have a unique QSL card for the event, as soon as I figure out how to do it on the computer and get some card stock.

Hope to work everyone!!

72/73

--

Bill Myers KK4KF Grid - EM60rk
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42
CQC#386 NE#508 AK/QRP#081
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bjmyers@arc.net>
homepage <http://destin.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: v31ry@ix.netcom.com
Subject: [15588] Re: QRPTTF: Any HI or WY QRP DXpeditions?
Message-ID: <1997324175825241@ix.netcom.com>

Dan N7VE wrote:

>QRP to the field is coming up real soon. I was just curious....
>Anyone looking for instant fame (and gratitude!) by operating from
>some of our really rare QRP states?

YES! I'm planning to drag N0TBM back to Wyoming for the QRP-TTF. He and I operated from there last year in both the QRP-TTF and QRP-Afield. I'll also be there the whole weekend for the ARCI Spring QSO Party coming up in 3 weeks.. Will operate from my camper for all of them, using a Carolina Windom and a wire vertical in some trees on a hill at 8800 ft in the Medicine Bow National Forest between Laramie and Cheyenne.

We'll be using my call, AE0Q/7.

Hope to work you, Dan!

CUL -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY
v31ry@ix.netcom.com

ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
-- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: Kory Hamzeh <kory@avatar.com>
Subject: [15594] Re: Sierra Beginner?
Message-ID: <Pine.BSI.3.91.970324172823.13149A-100000@avatar.avatar.com>

I just received my Sierra today. I'm a bit overwhelmed! I haven't build a kit in over 15 years.

Oh boy maybe I should have started with the NorCal 40A?

Nervous in California,
Kory
AC6RN

On Tue, 25 Mar 1997, Brian K. Short KE7GH wrote:

> Perusal of the NA5N "Data Book" circuit analysis and the NorCal
> Sierra "Owner's Manual" result in following questions and comments:
>
> 1) Anything that should not be built per original manual?
> (Have "Manual Corrections Rev. A")
> 2) What if KC1 becomes a LATER possibility?
> 3) Any benefit from added audio filtering?
> 4) Requested 93/94/95/96 QRPp back issues. Additional info there?
> 5) How is QSK?
> 6) Parts substitutions?
> 7) Planning to socket ICs, problems? Anybody socket transistors?
> 8) Manual/Schematic Errata?
>
> Experiences...(before warming the soldering iron)?
> Brian ke7gh@primenet.com >or< <http://www.primenet.com/~ke7gh>
>
>

From owner-qrp-1@Lehigh.EDU Tue Mar 25 18:04:13 1997
From: n4js@amsat.org
Subject: [15613] RE: Sierra Builders Support Group

Message-ID: <XFMail.970325070023.n4js@amsat.org>

On 25-Mar-97 Brian K. Short KE7GH expounded:

>At 05:29 PM 3/24/97 -0800, you wrote:

>>I just received my Sierra today. I'm a bit overwhelmed! I haven't

>>build a kit in over 15 years.

>

I felt that way, too, for the same reasons, but the Sierra (and KC2) went together fairly easily, and worked the first time!

Sent at 07:00:23 on 25-Mar-97

John L. Sielke	n4js@amsat.org	n4js@pobox.com
n4js@n4js.ampr.org	NJ Grid:FM29LN	
http://www.pobox.com/~n4js		
NJ-QRP #57	QRP-L #884	QRP-ARCI #9328
NE-QRP #507	G-QRP #9544	NorCal QCWA FISTS #2781

From owner-qrp-l@Lehigh.EDU Tue Mar 25 18:04:13 1997

From: "David D. Meacham" <ddm@datatamers.com>

Subject: [15656] Re: Sierra original vs Wilderness Sierra

Message-ID: <Pine.LNX.3.91.970325144330.4288A-100000@dt1.datatamers.com>

Jeff,

There have been a LOT of changes, nearly all spelled out in QRPP. The sum total amounts to quite an improvement to the NorCal original design. I've incorporated many of them in my NorCal, as have many others. I know one well-known member who kept his NorCal for nostalgic reasons & bought a Wilderness kit to have a Sierra with all the improvements! He loves them both.

72, Dave, W6EMD